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Troubleshooting Oracle Performance "O'Reilly Media, Inc." Currently there are major challenges in data mining applications in the geosciences. This is due primarily to the fact that there is a wealth of available mining data amid an absence of the knowledge and expertise necessary to analyze and accurately interpret the same data. Most geoscientists have no practical knowledge or experience using data mining techniques. For the few that do, they typically lack expertise in using data mining software and in selecting the most appropriate algorithms for a given application. This leads to a paradoxical scenario of "rich data but poor knowledge". The true solution is to apply data mining techniques in geosciences databases and to modify these techniques for practical applications. Authored by a global thought leader in data mining, *Data Mining and Knowledge Discovery for Geoscientists* addresses these challenges by summarizing the latest developments in geosciences data mining and arming scientists with the ability to apply key concepts to effectively analyze and interpret vast amounts of critical information. - Focuses on 22 of data mining's most practical algorithms and popular application samples - Features 36 case studies and end-of-chapter exercises

unique to the geosciences to underscore key data mining applications - Presents a practical and integrated system of data mining and knowledge discovery for geoscientists - Rigorous yet broadly accessible to geoscientists, engineers, researchers and programmers in data mining - Introduces widely used algorithms, their basic principles and conditions of applications, diverse case studies, and suggests algorithms that may be suitable for specific applications
Practical Oracle SQL Walzone Press
The authors teach all the Oracle PL/SQL skills readers need, through hands-on, real-world labs, exercises, projects, and a great Web-based training site! Coverage includes every key Oracle PL/SQL concept, including: the basics of structured programming; PL/SQL structure and syntax; iterative control; scoping and anchored datatypes.

Oracle Database 12c Security McGraw Hill Professional
New Oracle database administrators can get off the ground running. This book helps you develop the ability to think on your feet and move focus in an instant from arcane syntax details to broad, corporate issues. Along the way, you will see how to create your first database and implement best practices to ensure a well-running database system. What makes Oracle DBA Mentor different is that it also teaches you how to obtain answers that are not found in this or other books. Focus is given to creating a test bed and running test cases to examine hypotheses and prove out solutions so you can be sure they work in production. Attention is given to navigating product documentation and networking in forums and social media to build your skills and a network to draw on when solving problems under pressure. There are chapters of step-by-step technical content as well as coverage of essential skills to succeed as a DBA no matter which database engine you administer. By the time you are done reading

this book, you will have confidence to face many of the situations thrown in your direction. You will know where to go for the answers you don't yet know that you need. You'll be able to work and troubleshoot under pressure. You'll know how to create a database, institute backup and recovery procedures, secure the database and its valuable corporate data, and acquire more knowledge as needed so you can run a database to meet the needs of your organization. What You'll Learn Install Oracle Database with best practices Implement backup and recovery procedures Understand the fundamentals of databases and data security Find answers to technical problems using Oracle documentation, Oracle Support, and other resources Patch and upgrade an Oracle database Who This Book Is For The novice database administrator who wants help getting off the ground with their DBA career, and in building the skills to let that career flourish in the long term. Mid-level DBAs will also find the book helpful as they try to grow their career to the next level. While the book is geared toward the Oracle platform, database administrators from other platforms can benefit from the soft skills covered in this book. Mastering Oracle Scheduler in Oracle 11g Databases "O'Reilly Media, Inc." Over 70 practical recipes to analyze multi-dimensional data in SQL Server 2016 Analysis Services cubes About This Book Updated for SQL Server 2016, this book helps you take advantage of the new MDX commands and the new features introduced in SSAS Perform time-related, context-aware, and business related-calculations with ease to enrich your Business Intelligence solutions Collection of techniques to write flexible and high performing MDX queries in SSAS with carefully structured examples Who This Book Is For This book is for anyone who has been involved in working with multidimensional data. If you are a multidimensional cube developer, a multidimensional database administrator, or a report developer who writes MDX queries to access multidimensional cube, this book will help you. If you are a power cube user or an experienced business analyst, you will also find this book invaluable in your data analysis. This book is for you are interested in doing more data

analysis so that the management can make timely and accurate business decisions. What You Will Learn Grasp the fundamental MDX concepts, features, and techniques Work with sets Work with Time dimension and create time-aware calculations Make analytical reports compact, concise, and efficient Navigate cubes Master MDX for reporting with Reporting Services (new) Perform business analytics Design efficient cubes and efficient MDX queries Create metadata-driven calculations (new) Capture MDX queries and many other techniques In Detail If you're often faced with MDX challenges, this is a book for you. It will teach you how to solve various real-world business requirements using MDX queries and calculations. Examples in the book introduce an idea or a problem and then guide you through the process of implementing the solution in a step-by-step manner, inform you about the best practices and offer a deep knowledge in terms of how the solution works. Recipes are organized by chapters, each covering a single topic. They start slowly and logically progress to more advanced techniques. In case of complexity, things are broken down. Instead of one, there are series of recipes built one on top of another. This way you are able to see intermediate results and debug potential errors faster. Finally, the cookbook format is here to help you quickly identify the topic of interest and in it a wide range of practical solutions, that is – MDX recipes for your success. Style and approach This book is written in a cookbook format, where you can browse through and look for solutions to a particular problem in one place. Each recipe is short, to the point and grouped by relevancy. All the recipes are sequenced in a logical progression; you will be able to build up your understanding of the topic incrementally.

Oracle Insights Pearson Education

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

Expert One-on-One Oracle Apress

The #1 Easy, Common-Sense Guide to SQL Queries—Updated for Today's Databases, Standards, and Challenges SQL Queries for Mere Mortals ® has earned worldwide praise as the clearest, simplest tutorial on writing effective SQL queries. The authors have updated this hands-on classic to reflect new SQL standards and database applications and teach valuable new techniques. Step by step, John L. Viescas and Michael J. Hernandez guide you through creating reliable queries for virtually any modern SQL-based database. They demystify all aspects of SQL query writing, from simple data selection and filtering to joining multiple tables and modifying sets of data. Three brand-new chapters teach you how to solve a wide range of challenging SQL problems. You'll learn how to write queries that apply multiple complex conditions on one table, perform sophisticated logical evaluations, and think "outside the box" using unlinked tables. Coverage includes --

Getting started: understanding what relational databases are, and ensuring that your database structures are sound -- SQL basics: using SELECT statements, creating expressions, sorting information with ORDER BY, and filtering data using WHERE -- Summarizing and grouping data with GROUP BY and HAVING clauses -- Drawing data from multiple tables: using INNER JOIN, OUTER JOIN, and UNION operators, and working with subqueries -- Modifying data sets with UPDATE, INSERT, and DELETE statements Advanced queries: complex NOT and AND, conditions, if-then-else using CASE, unlinked tables, driver tables, and more Practice all you want with downloadable sample databases for today's versions of Microsoft Office Access, Microsoft SQL Server, and the open source MySQL database. Whether you're a DBA, developer, user, or student, there's no better way to master SQL. informit.com/awforMereMortals.com

Oracle SQL*Loader AuthorHouse
Best Practices for Comprehensive Oracle Database Security Written by renowned experts from Oracle's National Security Group, Oracle Database 12c Security provides proven techniques for designing, implementing, and certifying secure Oracle Database systems in a multitenant architecture. The strategies are also applicable to standalone databases. This Oracle Press guide addresses everything from infrastructure to audit lifecycle and describes how to apply security measures in a holistic manner. The latest security features of Oracle Database 12c are explored in detail with practical and easy-to-understand examples. Connect users to databases in a secure manner Manage identity, authentication, and access control Implement database application security Provide security policies across enterprise applications using Real Application Security Control data access with Oracle Virtual Private Database Control sensitive data using data redaction and transparent sensitive data protection Control data access with Oracle Label Security Use Oracle Database Vault and Transparent Data Encryption for compliance, cybersecurity, and insider threats Implement auditing technologies, including Unified Audit Trail Manage security policies and monitor a secure database environment with Oracle Enterprise Manager Cloud Control **Effective Oracle Database 10g Security** by Design Addison-Wesley Professional Write powerful queries using as much of the feature-rich Oracle SQL language as possible, progressing beyond the simple queries of basic SQL as standardized in

SQL-92. Both standard SQL and Oracle's own extensions to the language have progressed far over the decades in terms of how much you can work with your data in a single, albeit sometimes complex, SQL statement. If you already know the basics of SQL, this book provides many examples of how to write even more advanced SQL to huge benefit in your applications, such as: Pivoting rows to columns and columns to rows Recursion in SQL with MODEL and WITH clauses Answering Top-N questions Forecasting with linear regressions Row pattern matching to group or distribute rows Using MATCH_RECOGNIZE as a row processing engine The process of starting from simpler statements in SQL, and gradually working those statements stepwise into more complex statements that deliver powerful results, is covered in each example. By trying out the recipes and examples for yourself, you will put together the building blocks into powerful SQL statements that will make your application run circles around your competitors. What You Will Learn Take full advantage of advanced and modern features in Oracle SQL Recognize when modern SQL constructs can help create better applications Improve SQL query building skills through stepwise refinement Apply set-based thinking to process more data in fewer queries Make cross-row calculations with analytic functions Search for patterns across multiple rows using row pattern matching Break complex calculations into smaller steps with subquery factoring Who This Book Is For Oracle Database developers who already know some SQL, but rarely use features of the language beyond the SQL-92 standard. And it is for developers who would like to apply the more modern features of Oracle SQL, but don't know where to start. The book also is for those who want to write increasingly complex queries in a stepwise and understandable manner. Experienced developers will use the book to develop more efficient queries using the advanced features of the Oracle SQL language. **Mastering the Art of PL/SQL Programming: Unraveling the Secrets of Expert-Level Programming** Apress Announcing a new book from Apress and the OakTable Network: Oracle Insights: Tales of the Oak Table presents 11 world-renowned industry specialists proffering their own highly experienced views, input, and insights on Oracle—where it's been, where it's going, how (and how not) to use it successfully, the software and techniques that they've introduced to help people achieve their goals, and some frightening tales of what can happen when fundamental design principles are ignored. The collaborating authors have solved

many of the worst Oracle performance problems in the world, and they've each saved at least one doomed flagship project. Over many years, they've been sharing their unique knowledge with each other at conferences, around the OakTable, and in coffee shops, restaurants, and bars on five continents. Now they want to share their key insights with you. A major focus of this book concerns the ways in which you can avoid common and debilitating mistakes when building Oracle software projects. From these stories, you'll learn the simple steps that will help you avoid real pain on your next (or current) Oracle project.

Practical Database Programming with Visual Basic.NET Apress

Now in its fourth edition and covering Oracle Database 21c, this best-selling book continues to bring you some of the best thinking on how to apply Oracle Database to produce scalable applications that perform well and deliver correct results. Tom Kyte and Darl Kuhn share a simple philosophy: "you can treat Oracle as a black box and just stick data into it, or you can understand how it works and exploit it as a powerful computing environment." If you choose the latter, then you'll find that there are few information management problems that you cannot solve quickly and elegantly. This fully revised fourth edition covers the developments and new features up to Oracle Database 21c. Up-to-date features are covered for tables, indexes, data types, sequences, partitioning, data loading, temporary tables, and more. All the examples are demonstrated using modern techniques and are executed in container and pluggable databases. The book's proof-by-example approach encourages you to let evidence be your guide. Try something. See the result. Understand why the result is what it is. Apply your newfound knowledge with confidence. The book covers features by explaining how each one works, how to implement software using it, and the common pitfalls associated with it. Don't treat Oracle Database as a black box. Get this book. Dive deeply into Oracle Database's most powerful features that many do not invest the time to learn about. Set yourself apart from your competition and turbo-charge your career. What You Will Learn Identify and effectively resolve application performance issues and bottlenecks Architect systems to leverage the full power and feature set of Oracle's database engine Configure a database to maximize the use of memory structures and background processes Understand internal locking and latching technology and how it impacts your system Proactively recommend best practices around performance for table and index structures

Take advantage of advanced features such as table partitioning and parallel execution Who This Book Is For Oracle developers and Oracle DBAs. If you're a developer and want a stronger understanding of Oracle features and architecture that will enable your applications to scale regardless of the workload, this book is for you. If you're a DBA and want to intelligently work with developers to design applications that effectively leverage Oracle technology, then look no further.

Oracle PL/SQL Best Practices McGraw Hill Professional

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.

Oracle PL/SQL by Example Pearson Education

Master the Underutilized Advanced Features of SQL and PL/SQL This hands-on guide from Oracle Press shows how to fully exploit lesser known but extremely useful SQL and PL/SQL features and how to effectively use both languages together. Written by a team of Oracle ACE Directors, Real-World SQL and PL/SQL: Advice from the Experts features best practices, detailed examples, and insider tips that clearly demonstrate how to write, troubleshoot, and implement code for a wide variety of practical applications. The book thoroughly explains underutilized SQL and PL/SQL functions and lays out

essential development strategies. Data modeling, advanced analytics, database security, secure coding, and administration are covered in complete detail. Learn how to:

- Apply advanced SQL and PL/SQL tools and techniques
- Understand SQL and PL/SQL functionality and determine when to use which language
- Develop accurate data models and implement business logic
- Run PL/SQL in SQL and integrate complex datasets
- Handle PL/SQL instrumenting and profiling
- Use Oracle Advanced Analytics and Oracle R Enterprise
- Build and execute predictive queries
- Secure your data using encryption, hashing, redaction, and masking
- Defend against SQL injection and other code-based attacks
- Work with Oracle Virtual Private Database Code examples in the book are available for download at www.MHProfessional.com. TAG: For a complete list of Oracle Press titles, visit www.OraclePressBooks.com

Oracle APEX Best Practices Apress

Pro Oracle SQL unlocks the power of SQL in the Oracle Database—one of the most potent SQL implementations on the market today. To master it requires a three-pronged approach: learn the language features, learn the supporting features that Oracle provides to help use the language effectively, and learn to think and work in sets. Karen Morton and her team help you master powerful aspects of Oracle SQL not found in competing databases. You'll learn analytic functions, the MODEL clause, and advanced grouping syntax—features that will help in creating good queries for reporting and business intelligence applications. Pro Oracle SQL also helps you minimize parsing overhead, read execution plans, test for correct results, and exert control over SQL execution in your database. You'll learn when to create indexes, how to verify that they make a difference, how to use SQL Profiles to optimize SQL in packaged applications, and much more. You'll also understand how SQL is optimized for working in sets, and that the key to getting accurate results lies in making sure that queries ask clear and precise questions. What's the bottom-line? Pro Oracle SQL helps you work at a truly professional level in Oracle dialect of SQL. You'll master the language, the tools to work effectively with the language, and the right way to think about a problem in SQL. Pro Oracle SQL helps you rise above the crowd to provide stellar service in your chosen profession. Endorsed by the OakTable Network, a group of Oracle technologists well-known for their rigorous and scientific approach to Oracle Database performance Comprehensive—goes beyond the language with a focus on what you need to know to write successful queries and data manipulation statements.

Expert Oracle Database Architecture Apress

This is your practical guide to setting up a working environment and using Oracle Scheduler. Packed with simple examples

and clear explanations, real-life scenarios are discussed to make you comfortable in implementing them in your own system. This book is intended for Administrators and Developers who currently use tools like cron, DBMS_JOB, and the task manager, but who now want more control or who have a need to scale up to tools that can handle the network. Complex tasks can be built that easily control business process and enable the completion of important tasks in limited time. The reader is expected to have some experience of Oracle Database Management, and a working knowledge of SQL and PL/SQL.

[SQL Cookbook](#) Apress

If you work with Oracle in any capacity, whether as a Java programmer, Database Administrator, or PL/SQL programmer, chances are good that you write SQL statements to query for data within the database. Knowledge of SQL, and particularly of Oracle's implementation of SQL, is the key to writing good queries in a timely manner. In this book, authors Sanjay Mishra and Alan Beaulieu share their knowledge of Oracle SQL, and show you many creative techniques that you can use to advantage in your own applications. Book jacket.

[MDX with Microsoft SQL Server 2016](#)

[Analysis Services Cookbook](#) Packt Publishing Ltd

Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, *Learning SQL, Second Edition*, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With *Learning SQL*, you'll quickly learn how to put the power and flexibility of this language to work.

[Oracle SQL by Example](#) Apress

Do you need more from a PL/SQL book than just the correct keywords and some pretty syntax diagrams? Have you been searching in vain for real-world examples and genuine strategies for maximizing the benefits of PL/SQL within your organization? You'll find them here in *Mastering Oracle PL/SQL: Practical Solutions*, the inaugural title of the

pioneering *OakTable Press* series from Apress.

This isn't a tutorial on how to code PL/SQL. It's designed to show you how to code PL/SQL well. It shows you how to write code that will run quickly and won't break in high-load, multiuser environments. It covers the vast array of the functionality that PL/SQL provides, including effective handling of relational and abstract data, security, triggers, dynamic web content presentation from within the database, creation of a DBA toolkit, and effective debugging techniques. This book sets out to redress the unjust criticism leveled at PL/SQL in years gone by. It gives you the tools and techniques to ensure that, whatever your needs are, the PL/SQL you build will run as efficiently as possible. The practical solutions provided in this book will help you to realize the true power and functionality PL/SQL can offer your projects. If you're brand-new to PL/SQL, then you'll want to take some time to get familiar with the language before tackling this book. It's not for the total beginner. But once you're up and running, you'll find this book an invaluable guide for ensuring that the PL/SQL solutions you build are robust, perform well, and are easy to maintain.

[Applied Oracle Security: Developing Secure Database and Middleware Environments](#) O'Reilly Media

The World's #1 Hands-On Oracle SQL Workbook – Fully Updated for Oracle 11g Crafted for hands-on learning and tested in classrooms worldwide, this book illuminates in-depth every Oracle SQL technique you'll need. From the simplest query fundamentals to regular expressions and with newly added coverage of Oracle's powerful new SQL Developer tool, you will focus on the tasks that matter most. Hundreds of step-by-step, guided lab exercises will systematically strengthen your expertise in writing effective, high-performance SQL. Along the way, you'll acquire a powerful arsenal of useful skills – and an extraordinary library of solutions for your real-world challenges with Oracle SQL. Coverage includes 100% focused on Oracle SQL for Oracle 11g, today's #1 database platform – not “generic” SQL! Master all core SQL techniques including every type of join such as equijoins, self joins, and outer joins Understand Oracle functions in depth, especially character, number, date, timestamp, interval, conversion, aggregate, regular expressions, analytical, and more Practice all types of subqueries, such as correlated and scalar subqueries, and learn about set operators and hierarchical queries Build effective queries and learn fundamental Oracle SQL Developer and SQL*Plus skills Make the most of the Data Dictionary and create tables, views,

indexes, and sequences Secure databases using Oracle privileges, roles, and synonyms Explore Oracle 11g's advanced data warehousing features Learn many practical tips about performance optimization, security, and architectural solutions Avoid common pitfalls and understand and solve common mistakes For every database developer, administrator, designer, or architect, regardless of experience!

[Mastering Oracle PL/SQL](#) "O'Reilly Media, Inc."

JDBC is the most commonly used API in Java to access and manipulate data in a database. Oracle is one of the most popular and scalable databases in the world. This book is a must-have for any developer building an application that employs JDBC on Oracle database. Unlike other JDBC books, this book has been written to complement not rehash the contents of Oracle JDBC documentation and the JDBC specification. The book teaches you not just how to write JDBC code, but how to write effective JDBC code in a step-by-step fashion. This book does not assume any prior knowledge of JDBC, though it does assume basic knowledge of SQL and PL/SQL. It covers JDBC with a focus on writing high-performing, scalable and secure applications for Oracle 10g and 9i.

[Real World SQL and PL/SQL: Advice from the Experts](#) Apress

Cutting-edge techniques from leading Oracle security experts This Oracle Press guide demonstrates practical applications of the most compelling methods for developing secure Oracle database and middleware environments. You will find full coverage of the latest and most popular Oracle products, including Oracle Database and Audit Vaults, Oracle Application Express, and secure Business Intelligence applications. *Applied Oracle Security* demonstrates how to build and assemble the various Oracle technologies required to create the sophisticated applications demanded in today's IT world. Most technical references only discuss a single product or product suite. As such, there is no roadmap to explain how to get one product, product-family, or suite to work with another. This book fills that void with respect to Oracle Middleware and Database products and the area of security.