Oracle Tuning The Definitive Reference Second Edition

Secrets of the Oracle Database is the definitive guide to undocumented and partially-documented and partially-documented and partially-documented features from Oracle Database 9 through Oracle Database 9 through Oracle Database 3 through Oracle Database 9 through Oracle Database 11, this book will improve your efficiency as an Oracle Database 9 through O than you ever thought possible. Finally, in one place, you have at your fingertips knowledge that previously had to be acquired through years of experience and word of mouth through knowledge that previously had to be acquired through years of experience and word of mouth through knowledge that previously had to be acquired through years of experience and word of mouth through knowledge that previously had to be acquired through years of experience and word of mouth through years of experience and word of experience and wo

Jonathan Lewis is one of the world's foremost authorities in this field (he is frequently quoted and reference by other leading experts, such as Tom Kyte - see for example http://asktom.oracle.com/pls/ask/download_file?p_file=3067171813508366601 Book will be strongly co-promoted with Tom Kyte's Expert Oracle Database Architecture (1-59059-530-0) Highlights traps for those migrating from Oracle 8i to 9i to 10g, potentially averting often disastrous performance issues and downtime (=lost revenue) The first comprehensive book written to investigate, describe, and demonstrate the methods used by the Cost Based Optimizer Jonathan is one of very few Oracle authors to maintain online enhancements, errata and addenda pages, so the reader will be supported long after the book is published

A guide to database benchmarking covers such topics as predictive analysis, benchmark components, testing an architecture, and maintaining SLAs. Get a thorough understanding of Oracle Database 10g from the most comprehensive Oracle Press. From critical architecture 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 market, published by Oracle Press. From critical architecture concepts, this powerhouse contains nearly 50 chapters designed to enlighten you.

the included CD-ROM. Go beyond the basics and learn security, text searches, external tables, using Java in Oracle, and a great deal more. Oracle SQL Tuning Pocket Reference

Oracle PL/SQL Programming

A Problem-Solution Approach Oracle Shell Scripting

With 100+ High Performance SQL Scripts Secrets of the Oracle Database

Covering database, code, and architecture design for the Oracle operating system, this text is arranged in four sections including an overview of Oracle and data modelling; and aspects of database design including denormalization, data types, nulls, keys and indexes.

This book is the first of its kind, a book dedicated to tuning the Oracle high availability RAC architecture. Oracle RAC databases are flexible and robust, and along with this flexibility comes complexity, making RAC experts, guru Brian Peasland delivers an indispensible book for all RAC administrators who need to guarantee that their RAC systems run at optimal performance. It's not enough for the DBA to maintain and control RAC database run at optimal levels. This book will be valuable to all Oracle RAC performance tuning covers a wide variety of focus areas. Topics will include Oracle wait events specific to RAC deployments, using Oracle Enterprise Manager Grid Control and AWR in diagnosing RAC problems, and RAC utilities such as OS Watcher and ORAchk (formerly RACcheck). This book will also discuss architecture issues related RAC performance, delving into the cluster interconnect, physical disk layout and Oracle 12c new Flex Clusters. Oracle RAC also allows the workload the spread among several low cost servers (scale-out) rather than a large single server (scale-up), and this book examines these approaches from a tuning perspective. Many companies are working towards private cloud implementations using RAC, and this book is perfect for the DBA's charged with . Oracle 12c RAC raises the bar with its new multi-tenant database implementation. Think of multi-tenant as virtualization at the database level. As more companies start leveraging Oracle 12c RAC for their enterprise database architecture, it is important that the system be designed and tuned properly to ensure the application has a well-performing user experience. This unique book provides a one-stop location for one's first RAC deployment, and provide you with the tools and methods needed to keep your complex RAC systems running optimally. While this

book is not for beginners, the reader is given sufficient background throughout the chapters so that most Oracle RAC experience, will be able to understand its contents. Oracle RAC is inherently complex. This explains the concepts before delving into highly technical areas. Many in-depth areas of RAC tuning are explored that help the DBA reveal hidden performance trends within even the most complex RAC database. Provides information on how to quickly troubleshoot Oracle performance problems, covering such topics as designing databases, storage and reorganization, memory usage, and SQL.

The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

Write Efficient SQL **Oracle Tuning**

Oracle SQL*Plus

High Performance Oracle Tuning with RAM Disk

From Laptops to Production

Oracle Database 12c Performance Tuning Recipes A valuable manual for database professionals looking to adopt open-source database technology demonstrates real-world techniques for migration, performance and tuning, programming, and Superset Procedural Language. Original (Intermediate/Advanced)

An interactive guide to Oracle's intensive query tool, SQL* Plus, discusses its powerful features, furnishes a syntax quick reference, and explains how to write and execute script files, generate reports, extract data from the database, utilize new administrative features, query data dictionary tables, and more. Original. (Intermediate) Provides information on using solid state RAM disk to optimize the performance of Oracle.

Oracle has become the world's most flexible and robust database and along with great power comes great complex task; however, it has become even more complex as Oracle evolves and yields new techniques for achieving optimal performance. in the stressed production environment of today's high-tech world. Oracle performance information so that you can create a robust Oracle database tuning these time-series tables, we can develop time-series tuning models to predict upcoming outages and dynamically change the instance to accommodate the impending resource changes. Database tuning efforts must become as sophisticated as the database tuning models to predict upcoming outages and dynamically change the instance to accommodate the impending resource changes. Database tuning models to predict upcoming outages and dynamically change the instance to accommodate the instance to acc engine, one that maximizes computing resources while minimizing overhead. If you are seeking the combined knowledge of over a century of hands-on DBA tuning experience, a pragmatic, practical approach for this book for you. This is not a book for beginners. Targeted at the senior Oracle DBA, this comprehensive book for beginners. Targeted at the senior Oracle DBA, this comprehensive book for the knowledge of over a century of hands-on DBA tuning experience, a pragmatic, practical approach for the knowledge you need to be successful in tuning experience.

identify even the most challenging performance issues.

Oracle SQL*Plus Pocket Reference Oracle Database Administration from the Oak Table

Real-world Oracle Performance Secrets

The Definitive Guide

Oracle 24x7 Tips and Techniques

SQL Tuning New Internet functionality and support for Linux make Oracle8i a milestone release, and this authoritative guide explains all the tools on your way to finding out more about fine-tuning performance and WebDB strategies. The CD-ROM includes a sample Oracle8i a milestone release, and this authoritative guide explains all the tools on your way to finding out more about fine-tuning performance and WebDB strategies. The CD-ROM includes a sample Oracle8i a milestone release, and this authoritative guide explains all the tools on your way to finding out more about fine-tuning performance and WebDB strategies. The CD-ROM includes a sample Oracle8i a milestone release, and this authoritative guide explains all the tools and techniques administrators need to master this potent new features covered include an embedded Java Virtual Machine, expanded data warehousing capabilities, and the tools on your way to finding out more about fine-tuning performance and WebDB strategies. The CD-ROM includes a sample Oracle8i a milestone release, and this authoritative guide explains all the tools and techniques administrators need to master this potent and the tools on your way to find the tools of the new features covered include an embedded Java Virtual Machine, expanded data warehousing the tools of the new features covered includes a sample or the new features and the new features are the new features and the new features and the new features are the new features A complete guide to SQL*Loader, a utility used to move data from external files into an Oracle database, offers step-by-step instruction in the various applications of SQL*Loader, providing a task-oriented approach that covers the latest Oracle 8 and Oracle 8 ifeatures. Original. (Beginner/Intermediate)

Provides information on ways to achieve high performance from PL/SOL. The Oracle SQLPlus Pocket Reference is a must-have for anyone working with Oracle steen for anyone working the sequence to be extremely beneficial. In addition to summarizing all of the SQLPlus is still often not completely understood or fully utilized. Database administrators and developers alike will therefore find the Oracle SQLPlus is still often not completely understood or fully utilized. Database 10g features, this handy, on-the-job guide specifically shows readers how to: Differentiate between SQL and SQLPlus Interact with SQLPlus Interact with SQLPlus Interact with SQLPlus Pocket of the original specifically shows readers how to: Differentiate between SQL and SQLPlus Interact with SQLPlus Interact with SQLPlus Pocket of the original specifically shows readers how to: Differentiate between SQL and SQLPlus Interact with SQLPlus Interact with SQLPlus Pocket of the original specifically shows readers how to: Differentiate between SQL and SQLPlus Interact with SQLPlus Interact with SQLPlus Pocket of the original specifically shows readers how to: Differentiate between SQL and SQLPlus Interact with SQLPlus Interact with SQLPlus Pocket of the original specifically shows readers how to: Differentiate between SQL and SQLPlus Interact with SQL Reference follows in the long line of successful "pocket references" offered by O'Reilly. It also serves as the ideal companion to O'Reilly's larger, more comprehensive book on SQLPlus, the bestselling Oracle SQL*Plus: The Definitive Guide. Author Jonathan Gennick is an editor for O'Reilly's larger, more comprehensive book on SQLPlus, the bestselling Oracle SQL*Plus: The Definitive Guide. Author Jonathan Gennick is an editor for O'Reilly specializing in database and programming titles, having amassed some 17 years of programming and database management experience.

Oracle on VMware Pocket Reference

Practical Methods for Oracle & SQL Server

Oracle Rac Performance Tuning

Oracle Job Scheduling Oracle Database 12c DBA Handbook

Successfully meeting the challenges of combining VMware and Oracle, this comprehensive reference provides a broad spectrum of technological recommendations that demonstrate how to reliably and consistently achieve optimal configuration, and recommendations for client operating system configuration for Oracle in a virtualized world. With real-world examples and highly applicable advice, this handbook also details the complete compendium for keeping virtualized Oracle databases in top form. Achieve 24x7 database uptime and expand your Oracle knowledge using the hundreds of tips and techniques provided in this unique reference.

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. Performance problems are rarely "problems" per se. They are more often "crises" during which you're pressured for results by a manager standing outside your cubicle while your phone rings with queries from the help desk. You won't have the time for a leisurely perusal of the manuals, nor to lean back and read a book on theory. What you need in that situation is a book of solutions, and solutions are precisely what Oracle Database 11g Performance Tuning Recipes delivers. Oracle Database 11g Performance Tuning Recipes is a ready reference for database administrators in need of immediate help with performance issues relating to Oracle Database. The book takes an example how to perform common tasks in that chapter's domain. Solutions in the recipes are backed by clear

A poorly performing database application not only costs users time, but also has an impact on other 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 optimum execution plan-rapidly and systematically-regardless of the complexity of the SQL or the database platform being used. You'll

explanations of background and theory from the author team. Whatever the task, if it's performance-related, you'll probably find a recipe and a solution written by a team of experienced database administrators successful in their careers Oracle Database 10g The Complete Reference

Oracle Tuning Power Scripts Creating Robust Task Management With Dbms_job And Oracle 10g Dbms_scheduler

With Dictionary Internals SQL & Tuning Scripts

Expert Secrets for High Performance Programming Linux and UNIX Programming for Oracle

Targeted at Oracle professionals who need fast and accurate working examples of complex issues, Oracle In-focus books target specific areas of Oracle technology in a concise manner. Plenty of working data that they already know. All code scripts are available for instant download from a companion web site.

Explores Oracle's implementation of SQL and explains how to perform tasks including querying time-based data, implementing conditional logic in queries, writing queries, and joining data from two or more tables.

This is the definitive guide to all Oracle utilities, and it is targeted at experienced Oracle utilities, plus the Linux/UNIX utilities, oracle command-line utilities, and the all-important DBA package utilities. This indispensable book covers all areas of Oracle database administration and includes secrets for database administration and the SQL tuning utilities, including ADDM and the SQL tuning advisors as well as the traditional command-line tuning utilities for database migration (with Data Pump and SQL*Loader) and detailed tips for using The Oracle experts supplement the operational considerations of Oracle utilities with expert insights and working scripts. The time savings from a single utility script is easily worth the price of this definitive book. This book is not for beginners. These are powerful utilities to be used only by experienced DBAs and developers who need to perform powerful system-wide operating system internal operations on their Oracle databases.

This book is an anthology of effective database management technologies. You 'Il learn to effectively plan for and monitor performance, to troubleshoot systematically when things go wrong, and to manage your database rather than letting it manage you Cost-Based Oracle Fundamentals

PeopleSoft for the Oracle DBA **Expert Oracle Practices**

Troubleshooting Oracle Performance

Oracle PL/SQL Tuning

Java Performance PeopleSoft for the Oracle DBA, Second Edition stands on the boundary between the PeopleSoft application and the Oracle database. This new edition of David Kurtz's book is freshly revised, showing how to tame the beast and manage Oracle as they apply to PeopleSoft Kurtz also provides some of the best advice and information to be found anywhere on managing and troubleshooting performance the performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance the performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues in a PeopleSoft of the best advice and information to be found anywhere on managing and troubleshooting performance issues and information to be found anywhere on managing and troubleshooting performance issues and information to be found anywhere on managing and troubleshooting performance issues and information to be found anywhere on the performance issues and information to be found anywhere on the performance issues and information to be found anywhere. The performance issues are also any of the performance issues and information to be found any of the performance issues and information to be found any of the performance issues and informa of PeopleSoft Provides techniques to troubleshoot and resolve performance problems

With the expert techniques discussed in this book, Oracle database administrators can automate routine tasks to save time and experts give Oracle professionals a fantastic head-start on automating their administration duties and are easily modifiable for any environment. Topics include the history of shells and shell scripting, detailed step-by-step instructions on building shell scripts, how to tell when things are working right, and how to effectively monitor the system for failures. Oracle SQL Tuning with SQLTXPLAIN is a practical guide to SQL tuning the way Oracle's own experts do it, using a freely downloadable tool called SQLTXPLAIN. Using this simple tool you'll learn to do it quickly, without the huge learning curve usually associated with tuning as a whole. Firmly based in real world problems, this book helps you reclaim system resources and avoid the most common bottleneck in overall performance, badly tuned SQL. You'll learn

how the optimizer works, how to take advantage of its latest features, and when it's better to turn them off. Quickly tune any SQL statement no matter how complex. Build and tune test cases without affecting production. Use the latest tuning features with confidence. Oracle 10g has become the most complex database ever created and Oracle tuning has become increasingly complex. This book provides a complete step-by-step approach for holistic Oracle tuning and tracking database performance over time periods. This new complexity has introduced dozens of new v\$ and DBA views, and DBA vi plus dozens of Automatic Workload Repository (AWR) tables. The AWR and its interaction with the Automatic Database Diagnostic Monitor (ADDM) is a revolution in database tuning models to predict upcoming outages and dynamically change the instance to accommodate the impending resource changes. This is not a book for beginners. Targeted at the senior Oracle DBA, this book dives deep into the internals of

the v\$ views, the AWR table structures and the new DBA history views. Packed with ready-to-run scripts, you can quickly monitor and identify the most challenging performance issues. EnterpriseDB

Advanced Oracle SQL Tuning Oracle Design: The Definitive Guide

Oracle Performance Troubleshooting Database Benchmarking

Oracle SQL*Loader

It's impossible to tune an Oracle database without understanding SQL tuning. Oracle SQL is the single most important skill of any Oracle professional, and along with this great power comes complexity. Tuning Oracle SQL is the single most important skill of any Oracle professional, and Oracle professionals are challenged to create SQL statements that will support thousands of concurrent executions with sub-second response time. "Advanced Oracle SQL tuning" is a pragmatic treatment of Oracle SQL tuning short on theory and big on real-world techniques and tips. This book covers advanced topics and it is not appropriate for beginners, dilettantes or neophytes. The definitive reference for every Oracle DBA—completely updated for Oracle Database 12c Oracle Database management. Fully revised to cover every new feature and utility, this Oracle Database management. Fully revised to cover every new feature and software, handle backup and recovery, and provide failover capability. The newly revised material features high-level and practical content on cloud integration, storage management, performance tuning, information management, and the latest on a completely revised security program. Shows how to administer a scalable, flexible Oracle enterprise database Includes new chapters on cloud integration, new security capabilities, and other cutting-edge features All code and examples available online

One of the most important challenges faced by Oracle database administrators and Oracle developers is the need to tune SQL statements are one of the leading causes of substandard database performance and poor response time. SQL statements that perform poorly result in frustration for users, and can even prevent a company from serving its customers in a timely manner. In this book, Mark Gurry shares his in-depth knowledge of Oracle's SQL statement optimizers. Mark's knowledge is the result of many hard-fought tuning battles during his many years of provides solution to the specific problem/solution scenarios for the optimizers. In addition to the specific problems that occur with both the rule-based optimizers that go well beyond what the rule-based optimizers. In addition to the specific problem/solution scenarios for the optimizers, Mark provides a number of handy SQL tuning tips. He discusses the various optimizer that go well beyond what the rule-based optimizers that go well beyond what the rule-based optimizers. In addition to the specific problems that occur with both the rule-based optimizers. In addition to the specific problems that occur with both the rule-based optimizers. In addition to the specific problems that occur with both the rule-based optimizers that go well beyond what the rule-based optimizers that occur with both the rule-based optimizers. In addition to the specific problems that occur with both the rule-based optimizers that go well beyond what the rule-based optimizers that occur with both the rule-based optimizers that occur with both the rule-based optimizers that occur with both the rule-based optimizers. In addition to the specific problems that occur with both the rule-based optimizers that occur with both the rule-based optimizers that occur with both the rule-based optimizers. In addition to the specific problems that occur with both the rule-based optimizers that occur with a rule-based optimizer that occur with both the rule-based optimizers that occur with a rule-based optimizer that occur wis the rule-based optimizer than occur with a rule-based optimizer the use of the DBMS STATS package to manage database statistics, and the use of outlines to specify execution plans for SQL statements in third-party applications that you can't otherwise modify.

Despite the wide use of SQL *Plus, few developers and database administrators know how powerful it really is. And the syntax can sometimes be tricky. This portable guide provides a guick reference to subjects such as interacting with SQL *Plus, selecting data, formatting reports, writing scripting, and tuning SQL. There's also a command reference.

The Definitive Reference Oracle Solid State Disk Tuning

Oracle Database 11g Performance Tuning Recipes

Oracle Database 11g The Complete Reference

Oracle Tuning: The Definitive Reference Mastering Oracle SQL

Performance problems are rarely "problems" per se. They are more often "crises" during which you're pressured for results by a manager standing outside your cubicle while your phone rings with queries from the help desk. You won't have the time for a leisurely perusal of the manuals, nor to lean back and read a book on theory. What vou need in that situation is a book of solutions, and solutions are precisely what Oracle Database 12c Performance Tuning Recipes is a ready reference for database administrators in need of immediate help with performance issues relating to Oracle Database. The book takes an example how to perform common tasks in that chapter's domain. Solutions in the recipes are backed by clear explanations of background and theory from the author team. Whatever the task, if it's performance-related, you'll probably find a recipe and a solution in this book. Provides proven solutions to real-life Oracle performance problems Offers relevant background and theory to support each solution Gets straight to the point for when you're under pressure for results

The Definitive Guide to Oracle Database 11g Get full details on the powerful features of Oracle Database 11g: The Complete Reference explains how to use all the new features and tools, execute powerful features of Oracle Database 11g: The Complete Reference explains how to use all the new features and object-relational databases. Learn how to implement the latest security measures, tune database performance, and deploy grid computing techniques. An invaluable cross-referenced appendix containing Oracle commands, keywords, features, and functions is also included. Install Oracle Database 11g or upgrade from an earlier version Create database 11g or upgrade from an earlier version Create database tables, sequences, indexes, views, and user accounts Construct SQL statements, procedures, gueries and transparent data encryption Import and export data using SQL*Loader and Oracle Data Pump Use SQL replay, change management, and result caching Avoid human errors using flashback and automatic undo management Build and tune PL/SQL triggers, functions, and packages Develop database applications using Java, JDBC, and XML Optimize availability and scalability with Oracle Real Application Clusters

<text>For Oracle tuning professionals wishing to add more tools to their Oracle tuning toolbox, this guidebook introduces the various tand to give and uning toolbox, this guidebook introduces the various tuning analytical tools and helpful strategies to make the database easier to use. Details describe how to congeal large amounts of database performance information into one pool from which the DBA can carefully choose tuning options based on what is predicted, all to give them the biggest improvement in performance for the least time and money investment. Sample code, sample code, sample code results, and tools, the guide fully explains how to work with the Oracle system on order to achieve database performance excellence.

] The ONLY complete, up-to-date guide to all aspects of Java performance • •The first one-stop guide to identifying, isolating and fixing Java performance is of crucial importance to millions of <text>developers worldwide. The emergence of multi-core systems and the evolution of the Java performance in today's multi-core systems. Java performance experts have written the information they need to leverage Java's performance and scalability abilities on any modern multicore or multiprocessor system. This book's end-to-end coverage addresses all these topics: monitoring and profiling; the effective use of garbage collection and other language features; adaptive and platform-specific tuning; techniques for maximizing scalability; and much more. The authors' extensive benchmarking mistakes that mislead developers into writing badlyperforming software. The book also contains a complete section on Java performance enhancement, including opportunities and challenges associated with migrating software from Java 1.4.2 and Java 5 - issues that more and more Java developers are now facing.

Oracle SQL Tuning with Oracle SQLTXPLAIN

Generating Optimal Execution Plans

Oracle8i DBA Bible Advanced Oracle Utilities: The Definitive Reference

Oracle Silver Bullets When your database application isn 't running fast enough, troubleshooting a systematic approach to addressing the underlying causes of poor database application requirement. Troubleshooting oracle Performance as you would for any other application requirement. Troubleshooting a systematic approach to addressing the underlying causes of poor database application performance as you would for any other application requirement.