

Oracle In-Focus

Advanced Oracle SQL Tuning

The Definitive Reference

Donald A. Burstein



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Mike Ault



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Advanced Oracle SQL Tuning Donald K. Burleson, 2014-03 It is impossible to tune an Oracle database without understanding SQL tuning Oracle is a SQL processing engine and the execution speed of any SQL query is influenced by many factors both internal and external As a declarative data access method SQL relies on the Oracle cost based optimizer to always choose the best execution plan for every SQL query However Oracle's SQL is among the most flexible and robust in the world 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 is the culmination of the author's 25 years of full time DBA experience and he shares expert tips and secrets for hyper charging SQL execution speed This book covers advanced topics and it is not appropriate for beginners dilettantes or neophytes

Oracle Tuning Donald K. Burleson, 2010 For Oracle tuning professionals wishing to add more tools to their Oracle tuning toolbox this guidebook introduces the various tuning analytical tools and helpful strategies to make the database easier to use Details describe how to extract information from the database and use it to determine and increase efficiency It also provides specific steps with detailed information on 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 results and guidelines on how to interpret the results help users manipulate code in an effective way With countless hints tips and tools the guide fully explains how to work with the Oracle system in order to achieve database performance excellence

Oracle Tuning Alexey B. Danchenkov, 2006-02-01 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 it is the accumulated knowledge from tuning thousands of Oracle databases Incorporating the principles of artificial intelligence Oracle 10g has developed a sophisticated mechanism for capturing and tracking database performance over time periods This new complexity has introduced dozens of new v and DBA views 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 By understanding the internal workings of the AWR tables the senior DBA can develop time series 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

Advanced Oracle Utilities: The Definitive Reference Bert Scalzo, Donald Burleson, Steve Callan, 2014-03-21 This is the definitive

guide to all Oracle utilities and it is targeted at experienced Oracle professionals who need to perform powerful system wide operating system internal operations on their Oracle databases The authors approach Oracle Utilities from a functional perspective adding value by explaining the why and how for the use of all Oracle Utilities This comprehensive book includes details on all of the Oracle utilities including experts only sections on undocumented 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 migration with Data Pump and SQL Loader and detailed tips for using The Oracle OS utilities e g BBED dbv orastack orakill The book also covers Oracle tuning utilities including ADDM and the SQL tuning advisors as well as the traditional command line tuning utilities such as dbms_alert and dbms_xplan tkprof and dbms_debug This book is special because noted 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

Oracle PL/SQL Programming Steven Feuerstein,1999 This guide is designed to bring you up to speed as quickly as possible on the new PL SQL features of Oracle8i It covers autonomous transactions invoker rights new built in packages and much more Advanced Oracle PL/SQL Steven Feuerstein,1996 This book expands on the techniques provided in Oracle PL SQL Programming taking readers deep into the world of PL SQL packages The book provides much more than advice and examples It comes with a disk containing a full use shareware version of PL Vision a library of dozens of packages written by the author These packages greatly accelerate the development of PL SQL based applications *SCO UNIX in a Nutshell* Ellie Cutler,1994-02-28 The desktop reference to SCO UNIX and Open Desktop this version of UNIX in a Nutshell shows you what s under the hood of your SCO system It isn t a scaled down quick reference of common commands but a complete reference containing all user programming administrations and networking commands *Developing Java Beans* Robert Englander,1997 This book gives you a firm grounding in every aspect of the JavaBeans component architecture *The Oracle PL/SQL CD Bookshelf*,2000 Readers get the complete text of the following books on CD ROM Oracle PL SQL Programming Advanced PL SQL Programming Oracle Web Applications Oracle Built in Packages Oracle Developer s Workbook Oracle PL SQL Pocket Reference Oracle Built ins Pocket Reference and Oracle PL SQL Programming A Guide to Oracle 8i Features **Oracle Disk I/O Tuning** Mike Ault,2004-04 Covering all aspects of Oracle disk I O tuning this book explores disk performance RAID management Oracle data file performance and Oracle data segment internals Also explored is physical disk I O which includes disk device internals detecting disk bottlenecks disk organization techniques and disk striping and disk load balancing Highlighted are RAID and Oracle performance as well as techniques for effective use of RAID with Oracle Additionally Oracle data file internals are considered and how to use multiple data block sizes to detect and

repair Oracle data segment bottlenecks and segment waits is described Oracle segment management is illustrated and the effective use of Oracle segment partitioning segment slot internals and monitoring segment I O is explained

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