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Technical Director, Oracle A/S*



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# Oracle Wait Interface: A Practical Guide to Performance Diagnostics & Tuning



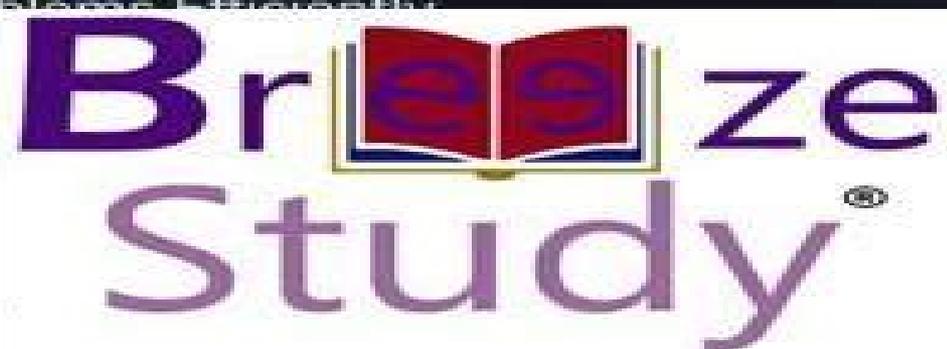
Detect and Fix Performance Problems Efficiently

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# Oracle Wait Interface A Practical To Performance Diagnostics Tuning

**Liyong Dong**



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**Oracle Wait Interface: A Practical Guide to Performance Diagnostics & Tuning** Richmond Shee, Kirtikumar Deshpande, K. Gopalakrishnan, 2004-07-16 Troubleshoot tune and optimize your Oracle database efficiently and successfully every time This book explains how to take full advantage of the revolutionary Oracle Wait Interface to quickly pinpoint and solve core problems and bottlenecks and increase productivity exponentially [Oracle Wait Interface: A Practical Guide To Performance Diagnostics And Tuning](#) Shee, 2004 This exclusive Oracle Press guide explains how to take full advantage of the revolutionary Oracle Wait Interface OWI to quickly pinpoint and solve core problems and bottlenecks and increase productivity exponentially Get extensive details on all the OWI features including the wait event views their applications and the extended SQL trace file This invaluable resource helps maximize the most advanced diagnostics tool available and minimize processing time

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Richmond Shee, Kirtikumar Deshpande, K. Gopalakrishnan, 2004 Publisher's Note Products purchased from Third Party sellers are not guaranteed by the publisher for quality authenticity or access to any online entitlements included with the product Troubleshoot tune and optimize your Oracle database efficiently and successfully every time This book explains how to take full advantage of the revolutionary Oracle Wait Interface to quickly pinpoint and solve core problems and bottlenecks and increase productivity exponentially [Accelerating MATLAB Performance](#) Yair M. Altman, 2014-12-11 The MATLAB programming environment is often perceived as a platform suitable for prototyping and modeling but not for serious applications One of the main complaints is that MATLAB is just too slow Accelerating MATLAB Performance aims to correct this perception by describing multiple ways to greatly improve MATLAB program speed Packed with thousands of helpful tips it leaves no stone unturned discussing every aspect of MATLAB Ideal for novices and professionals alike the book describes MATLAB performance in a scale and depth never before published It takes a comprehensive approach to MATLAB performance illustrating numerous ways to attain the desired speedup The book covers MATLAB CPU and memory profiling and discusses various tradeoffs in performance tuning It describes both the application of standard industry techniques in MATLAB as well as methods that are specific to MATLAB such as using different data types or built in functions The book covers MATLAB vectorization parallelization implicit and explicit optimization memory management chunking and caching It explains MATLAB's memory model and details how it can be leveraged It describes the use of GPU MEX FPGA and other forms of compiled code as well as techniques for speeding up deployed applications It details specific tips for MATLAB GUI graphics and I/O It also reviews a wide variety of utilities libraries and toolboxes that can help to improve performance Sufficient information is provided to allow readers to immediately apply the suggestions to their own MATLAB programs Extensive references are also included to allow those who wish to expand the treatment of a particular topic to do so easily Supported by an active website and numerous code examples the book will help readers rapidly attain significant reductions

in development costs and program run times

**Oracle Database 11g Oracle Real Application Clusters Handbook, 2nd Edition** K. Gopalakrishnan, 2011-08-22 Master Oracle Real Application Clusters Maintain a dynamic enterprise computing infrastructure with expert instruction from an Oracle ACE Oracle Database 11g Oracle Real Application Clusters Handbook Second Edition has been fully revised and updated to cover the latest tools and features Find out how to prepare your hardware deploy Oracle Real Application Clusters optimize data integrity and integrate seamless failover protection Troubleshooting performance tuning and application development are also discussed in this comprehensive Oracle Press guide Install and configure Oracle Real Application Clusters Configure and manage diskgroups using Oracle Automatic Storage Management Work with services voting disks and Oracle Clusterware Repository Look under the hood of the Cache Fusion and Global Resource Directory operations in Oracle Real Applications Clusters Explore the internal workings of backup and recovery in Oracle Real Application Clusters Employ workload balancing and the Transparent Application Failover feature of an Oracle database Get complete coverage of Stretch Clusters also known as Metro Clusters Troubleshoot Oracle Clusterware using the most advanced diagnostics available Develop custom Oracle Real Application Clusters applications

**Secrets of the Oracle Database** Norbert Debes, 2010-08-03 Secrets of the Oracle Database is the definitive guide to undocumented and partially documented features of the Oracle Database server Covering useful but little known features from Oracle Database 9 through Oracle Database 11 this book will improve your efficiency as an Oracle database administrator or developer Norbert Debes shines the light of day on features that help you master more difficult administrative tuning and troubleshooting tasks 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 knowing the right people What Norbert writes is accurate well tested well illustrated by clear examples and sure to improve your ability to make an impact on your day to day work with Oracle

**Beginning Oracle Database 11g Administration** Ignatius Fernandez, 2009-03-25 This book written by veteran Oracle database administrator Iggy Fernandez a regular on the Oracle conference circuit and the editor of NoCOUG Journal is a manageable introduction to key Oracle database administration topics including planning installation monitoring troubleshooting maintenance and backups to name just a few As is clear from the table of contents this book is not simply a recitation of Oracle Database features such as what you find in the reference guides available for free download on the Oracle web site For example the chapter on database monitoring explains how to monitor database availability database changes database security database backups database growth database workload database performance and database capacity The chapters of this book are logically organized into four parts that closely track the way your database administration career will naturally evolve Part 1 gives you necessary background in relational database theory and Oracle Database concepts Part 2 teaches you how to implement an Oracle database correctly Part 3 exposes you to the daily routine of a database administrator and Part 4 introduces you to the fine

art of performance tuning Each chapter has exercises designed to help you apply the lessons of the chapter Each chapter also includes a list of reference works that contain more information on the topic of the chapter In this book you ll find information that you won t find in other books on Oracle Database Here you ll discover not only technical information but also guidance on work practices that are as vital to your success as technical skills The author s favorite chapter is The Big Picture and the Ten Deliverables If you take the lessons in that chapter to heart you can quickly become a much better Oracle database administrator than you ever thought possible

**Secret Oracle - Unleashing the Full Potential of the Oracle DBMS by Leveraging Undocumented Features** Norbert Debes,2008-03 Secret ORACLE is the definitive guide to undocumented and partially documented features of the ORACLE database server This book will improve your efficiency as an ORACLE database administrator and enable you to master more difficult administrative tuning and troubleshooting tasks than you ever thought possible Topics covered include The MERITS performance optimization method which extends the state of the art wait event tuning paradigm Controlling processes of an ORACLE instance with the fragmentarily documented ORADEBUG command to trace SQL statements as well as wait events and dump process state call stack and hang analysis information Tracing the cost based optimizer to understand its cost calculations and decisions Understanding hidden parameters that govern Automatic PGA Memory Management Leveraging undocumented features of the Oracle10g 11g scheduler and other partially or fully undocumented PL SQL packages such as DBMS\_SYSTEM DBMS\_SUPPORT and DBMS\_UTILITY

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Oracle Database 12c Release 2 Real Application Clusters Handbook: Concepts, Administration, Tuning & Troubleshooting

K. Gopalakrishnan, Sam R. Alapati, 2018-02-22 This comprehensive guide has been fully updated to cover the latest features and tools of Oracle Real Application Clusters 12c Through clear instruction and detailed examples Oracle Database 12c Real Application Clusters Handbook Concepts Administration Tuning and Troubleshooting teaches how to build configure and maintain a dynamic enterprise computing infrastructure This thoroughly revised edition covers best uses for the latest tools and features all from the practical standpoint of a working DBA You will discover how to prepare hardware configure the software optimize data integrity and integrate seamless failover protection Brand new flex and large cluster technologies are explained in full detail and readers will get complete solutions for securing data and continuing business operations in the event of hardware failure Presents all the new information needed to effectively use Oracle Real Application Clusters 12c considered the most radical overhaul ever Offers detailed coverage of troubleshooting performance tuning and application development

**Oracle Database 10g RMAN Backup & Recovery** Matthew Hart, Robert G. Freeman, 2006-12-05

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databases from tape and disc backups Work with Real Application Cluster RAC databases and sync and split hardware technologies Expert Oracle RAC Performance Diagnostics and Tuning Murali Vallath,2014-10-13 Expert Oracle RAC Performance Diagnostics and Tuning provides comprehensive coverage of the features technology and principles for testing and tuning RAC databases The book takes a deep look at optimizing RAC databases by following a methodical approach based on scientific analysis rather than using a speculative approach twisting and turning knobs and gambling on the system The book starts with the basic concepts of tuning methodology capacity planning and architecture Author Murali Vallath then dissects the various tiers of the testing implementation including the operating system the network the application the storage the instance the database and the grid infrastructure He also introduces tools for performance optimization and thoroughly covers each aspect of the tuning process using many real world examples analyses and solutions from the field that provide you with a solid practical and replicable approach to tuning a RAC environment The book concludes with troubleshooting guidance and quick reference of all the scripts used in the book Expert Oracle RAC Performance Diagnostics and Tuning covers scenarios and details never discussed before in any other performance tuning books If you have a RAC database this book is a requirement Get your copy today Takes you through optimizing the various tiers of the RAC environment Provides real life case studies analysis and solutions from the field Maps a methodical approach to testing tuning and diagnosing the cluster *Indian National Bibliography* B. S. Kesavan,2005-08 **The Indian National Bibliography** ,2005-07 **Oracle Wait Event Tuning** Stephen Andert,2004-10 This handbook provides database administrators with clear and concise processes with which to attack tuning problems using Oracle Wait Interface A guide is provided to demonstrate the mechanics of the Wait Interface and how to use it not only to tune database performance at the database level but also to give the statistics needed to understand problems that lie outside of the database in the SAN or the network Techniques that apply to tuning any Oracle database from version 7 through 9i and beyond are included

**Forthcoming Books** Rose Arny,2004 **The British National Bibliography** Arthur James Wells,2005 *The Publishers Weekly* ,2004 **Oracle Database 10g Real Application Clusters Handbook** K Gopalakrishnan,2006-11-22 Learn cutting edge technology from Oracle experts Written by Oracle insiders this comprehensive guide covers everything you need to know about Real Application Clusters low cost hardware platforms that can rival and exceed the quality of service availability and scalability of the most expensive mainframe systems Concepts covered are applicable to all previous versions of Oracle Tuning and troubleshooting tips providing insight on the most advanced diagnostics available Detailed coverage of advanced RAC concepts Working code for all examples available online

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