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## High-Performance SQL Tuning

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# Oracle High Performance Sql Tuning

**Guy Harrison, Raymond Aron**



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optimization Making the most of Oracle's core tools for tracing monitoring and diagnosing performance Highly efficient database logical and physical design indexing transaction design and API use SQL and PL SQL tuning including the use of parallel SQL techniques Minimizing contention for locks latches shared memory and other database resources Optimizing memory and physical disk IO Tuning Real Application Cluster RAC databases [guyharrison.net/informit.com/ph](http://guyharrison.net/informit.com/ph) **Oracle High-Performance SQL Tuning** Donald K. Burleson, 2001-08-17 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 From the official Oracle Press comes a comprehensive guide to tuning SQL statements for optimal execution This expert resource explains how to view the internal execution plan of any SQL statement and change it to improve the performance of the statement You'll get details on Oracle's optimizer modes SQL extensions the STATSPACK utility and a wealth of methods for tuning Oracle SQL statements [Oracle High Performance Tuning for 9i and 10g](#) Gavin JT Powell, 2003-12-29 There are three parts to tuning an Oracle database data modeling SQL code tuning and physical database configuration A data model contains tables and relationships between tables Tuning a data model involves normalization and denormalization Different approaches are required depending on the application such as OLTP or a Data Warehouse Inappropriate database design can make SQL code impossible to tune Poor data modeling can have a most profound effect on database performance since all SQL code is constructed from the data model Poorly written SQL code is often a culprit of performance problems and is expensive to rectify However tuning of SQL code is generally cheaper than changing the data model SQL code tends to be contained inside independent blocks within applications or stored procedures Physical database tuning involves hardware resource usage networking and various other Oracle things such as configuration and file distribution Physical configuration is often a culprit of poor performance where Oracle is installed with defaults and never altered by an expert Includes all three aspects of Oracle database tuning data model tuning SQL PL SQL code tuning physical plus configuration tuning Contains experienced guidance and real world examples using large datasets Emphasizes development as opposed to operating system perspective **Oracle Performance Tuning for 10gR2** Gavin JT Powell, 2011-04-08 Tuning of SQL code is generally cheaper than changing the data model Physical and configuration tuning involves a search for bottlenecks that often points to SQL code or data model issues Building an appropriate data model and writing properly performing SQL code can give 100% performance improvement Physical and configuration tuning often gives at most a 25% performance increase Gavin Powell shows that the central theme of Oracle 10gR2 Performance Tuning is four fold denormalize data models to fit applications tune SQL code according to both the data model and the application in relation to scalability create a well proportioned physical architecture at the time of initial Oracle installation and most important mix skill sets to obtain the best results Fully updated for version 10gR2 and provides all necessary transition material from version 9i Includes all three aspects of Oracle database tuning data model tuning SQL PL SQL code tuning

physical plus configuration tuning Contains experienced guidance and real world examples using large datasets Emphasizes development as opposed to operating system perspective      *Oracle PL/SQL Tuning* Michael R. Ault, Eric Mortensen, Mike Ault, 2005 With tools for gaining as much as 30 times the execution speed this handbook educates database administrators on how to rewrite SQL into PL SQL and how to use advanced Oracle bulk array processing techniques to achieve high performance Ready to use tips for saving millions of dollars in hardware costs by running applications at peak efficiencies are provided Targeted at senior Oracle DBAs and developers these powerful techniques will help PL SQL users save both time and money      **Oracle PL/SQL Tuning** Timothy S. Hall, 2006 Oracle experts know that PL SQL tuning makes a huge difference in execution speed As one of the world s most popular and respected experts Dr Tim Hall shares his secrets for tuning Oracle PL SQL This indispensable book shows how to hypercharge Oracle applications gaining as much as 30x improvement in execution speed using under documented code tricks Packed with working examples learn how to re write SQL into PL SQL and how to use advanced Oracle bulk array processing techniques to achieve super high performance You can save your company millions of dollars in hardware costs by making your applications run at peak efficiency Targeted at the Senior Oracle DBA and developer this advanced book illustrates powerful techniques that can make PL SQL run faster than ever before This book is not for beginners and should only be purchased by seasoned Oracle professionals who must turbocharge their applications Your time savings from a single script is worth the price of this great book      **Oracle Tuning Power Scripts With 100+ High Performance Sql Scripts** Donald K Burleson, 2005-01-01 Written by the world s top Oracle script developers and authors of over 50 best selling Oracle books Mike Ault Don Burleson and Harry Conway shares their personal arsenal of Oracle data dictionary scripts in this comprehensive book With over 50 years of combined experience using Oracle monitoring scripts and Oracle tuning scripts this is the most comprehensive Oracle script collection ever assembled      **Oracle Tuning Power Scripts** Harry Conway, Michael R. Ault, Donald Burleson, 2005 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 code is provided without a lot of theory allowing database managers to solve their problems quickly without reviewing data that they already know All code scripts are available for instant download from a companion web site      [The Art and Science of Oracle Performance Tuning](#) Christopher Lawson, 2003-07 Presents an innovative philosophical approach to Oracle database administration and shows how to think about the whole complex problem of performance tuning how to break it down how to root out the cause of performance bottlenecks Covers all practical aspects of Oracle performance tuning Filled with hands on lessons and accounts Teaches an innovative and effective Physician to Magician approach showing how to understand the problem uncover the root cause and choose and implement the most effective solution      [Oracle Performance Tuning 101](#) Gaja Krishna Vaidyanatha, Kirtikumar Deshpande, John Kostelac, 2001 Tuning Oracle databases or Oracle Performance Management OPM is what database

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Oracle8 and UNIX Performance Tuning Ahmed Alomari, 1999 Oracle Senior Performance Engineer  
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