

# Oracle Tuning The Definitive Reference Second Edition

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*Second Edition*      *guest*

## CARLA MORROW

### Learning SQL O'Reilly Media

This book focuses exclusively on Oracle database design. It covers the most up-to-date Oracle issues and technologies, including massively parallel processors, very large databases, data warehouses, client-server, and distributed database. The design advice is detailed and thorough. The book delves deeply into design issues and gives advice that will have a major impact on your database and system performance.

Rampant TechPress

Canada was young during the First World War, and with as many as 20,000 underage soldiers leaving their homes to join the war effort, the country's army was, too. Jim, at 17, was one of them, and he penned countless letters home. But these weren't the writings of an ordinary boy. They were the letters of a lad who left a small farming community for the city on July 15, 1915, a boy who volunteered to serve with the 79th Queen's Own Cameron Highlanders. Jim's letters home gloss over the horrors of war, focusing instead on issues of the home front: of harvesting, training the horses, and the price of hogs. Rarely do these letters, especially those to his mother and father, mention the mud and rats, the lice and stench of the trenches, or the night duty of cutting barbed wire in no man's land. For 95 years his letters remained in a shoebox decorated by his mother. Jim was just 18 when he was wounded and died during the Battle of the Somme. Hold the Ox! tells the story that lies between the lines of his letters, filling in the historical context and helping us to understand what it was like to be Jim.

Oracle Tuning Rampant TechPress

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. *Oracle Performance Troubleshooting* "O'Reilly Media, Inc." Achieve 24x7 database uptime and expand your Oracle knowledge using the hundreds of tips and techniques provided in this unique reference.

Oracle Shell Scripting Rampant TechPress

Oracle PL/SQL is undoubtedly one of the most versatile and high performance yielding database languages of all time with many different methods for obtaining a single result. This comprehensive guide to Oracle PL/SQL will be a handy reference for all Oracle professionals who write PL/SQL code in their daily

life. This book will direct the reader through the unused and unknown yet powerful techniques which can be used in a regular manner in application development. This book takes complex technical tasks and explains them in an easily understandable method.

Oracle Privacy Security Auditing Rampant Techpress

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

Oracle PL/SQL Tuning Rampant TechPress

The Definitive Guide to Oracle Database 11g Get full details on the powerful features of Oracle Database 11g from this thoroughly updated Oracle Press guide. Oracle Database 11g: The Complete Reference explains how to use all the new features and tools, execute powerful SQL queries, construct PL/SQL and SQL\*Plus statements, and work with large objects 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 tables, sequences, indexes, views, and user accounts Construct SQL statements, procedures, queries, and subqueries Optimize security using virtual private databases 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 Oracle 24x7 Tips and Techniques Rampant TechPress 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.

Advanced Oracle Utilities: The Definitive Reference Apress

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 8i features. Original. (Beginner/Intermediate)

Advanced Oracle SQL Tuning "O'Reilly Media, Inc."

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 how to tune even the most complex SQL, and 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 Tuning Power Scripts O'Reilly Media

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.

Oracle9i High-Performance Tuning with STATSPACK Rampant Techpress

Provides information on how to quickly troubleshoot Oracle performance problems, covering such topics as designing databases, storage and reorganization, memory usage, and SQL. Oracle SQL\*Plus Apress

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.

*Troubleshooting Oracle Performance* Rampant Techpress

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, Oracle10g 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.

*Oracle Tuning* "O'Reilly Media, Inc."

Oracle has become the world's most flexible and robust database and along with great power comes great complexity. This complexity requires that the DBA have expert knowledge of Oracle internals. This book provides a thorough step-by-step approach for holistic Oracle tuning in this challenging information technology era. It represents the knowledge accumulated from tuning thousands of Oracle databases. Oracle tuning has always been a 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 STATSPACK and AWR has introduced a revolution in database tuning. By understanding 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 databases themselves. This book strives to show you how to leverage upon the wealth of Oracle performance information so that you can create a robust Oracle database engine, one that maximizes computing resources while minimizing overhead. If you are seeking theory, this is not the book for you. This book

encapsulates the combined knowledge of over a century of hands-on DBA tuning experience, a pragmatic, practical approach for the professional Oracle DBA. This is not a book for beginners. Targeted at the senior Oracle DBA, this comprehensive book gives you all of the knowledge you need to be successful in tuning even the most complex Oracle database. The code download for this book is packed with ready-to-run scripts to monitor and identify even the most challenging performance issues.

*Oracle SQL Tuning with Oracle SQLTXPLAIN* Rampant Techpress

A poorly performing database application not only costs users time, but also has an impact on other applications running on the same computer or the same network. SQL Tuning provides an essential next step for SQL developers and database administrators who want to extend their SQL tuning expertise and get the most from their database 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 optimal execution plan for the query to use. Author Dan Tow outlines a timesaving method he's developed for finding the optimum execution plan--rapidly and systematically--regardless of the complexity of the SQL or the database platform being used. You'll 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.

*Oracle Tuning: The Definitive Reference* Rampant Techpress

One of the most important challenges faced by Oracle database administrators and Oracle developers is the need to tune SQL statements so that they execute efficiently. Poorly tuned 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 providing Oracle tuning services to clients. Mark provides insights into the workings of the rule-based optimizer that go well beyond what the rules tell you. Mark also provides solutions to many common problems that occur with both the rule-based and cost-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 hints, telling you when they can be used to good effect. Finally, Mark discusses 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.

*Oracle Job Interview Handbook* Rampant TechPress

A valuable manual for database professionals looking to adopt open-source database technology demonstrates real-world techniques for migrating legacy applications to EnterpriseDB, furnishing working code, expert tips and tricks, and an overview of various EnterpriseDB applications, covering such areas as cross-platform integration, performance and tuning, programming, and Superset Procedural Language. Original (Intermediate/Advanced)

*Oracle Tuning: The Definitive Reference* "O'Reilly Media, Inc."

Provides information on using solid state RAM disk to optimize the performance of Oracle.

*Mastering Oracle SQL* Apress

SQL\*Plus is an interactive query tool that's ubiquitous in the Oracle world. It's available at every Oracle site--from the largest data warehouse to the smallest single-user system--and it's a critical tool for virtually every Oracle user. The third edition of this popular pocket guide provides quick reference information on SQL\*Plus syntax and format elements, including new Oracle Database 10g features. It concisely describes interacting with SQL\*Plus, formatting both text and HTML reports with SQL\*Plus, and tuning SQL queries using both optimizer hints and the plan table. This new edition covers browser-based iSQL\*Plus, the ability to generate HTML, new commands and SET options, and much more. It also contains expanded information on the SQL statements most commonly issued from SQL\*Plus (Select, Insert, Update, Delete, Merge, Commit, Rollback, Savepoint, Set Transaction) and adds coverage of new SQL features such as the Oracle Database 10g Select statement's Model clause, flashback queries, partition outer joins, and DBMS\_XPLAN. Book jacket.