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Tuning The

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Reference

*Tuning The*

*Definitive*

*This is the*

*definitive*

*guide to all*

*Oracle*

*utilities, and*

*it is targeted*

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Tuning The

*at experienced*

Definitive

*Oracle*

Reference

*professionals*

*who need to*

*perform*

*powerful system-*

*wide operating*

*system internal*

*operations on*

*their Oracle*

*databases. The*

*authors*

*approach Oracle*

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Reference

*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*

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Tuning The

*utilities,*

Definitive

*including*

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*experts-only*

*sections on*

*undocumented*

*utilities, plus*

*the Linux/UNIX*

*utilities,*

*Oracle command-*

*line utilities,*

*and the all-*

*important DBA*

*package*

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*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*

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*for using The  
Oracle OS*

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*utilities (e.g.*

*BBED, dbv,*

*orastack,*

*orakill).* The

*book also*

*covers Oracle*

*tuning*

*utilities,*

*including ADDM*

*and the SQL*

*tuning advisors*

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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

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*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*

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Reference

*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-*

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*wide operating  
system internal  
operations on  
their Oracle  
databases.*

*Targeted at  
Oracle*

*professionals  
who need fast  
and accurate  
working*

*examples of  
complex issues,*

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*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*

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*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*

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site.

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Reference

*This book is an  
anthology of  
effective  
database*

*management*

*techniques*

*representing*

*the collective*

*wisdom of the*

*OakTable*

*Network. With*

*an emphasis*

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*upon*

*performance—but*

*also branching*

*into security,*

*national*

*language, and*

*other*

*issues—the book*

*helps you*

*deliver the*

*most value for*

*your company's*

*investment in*

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Oracle Database  
Definitive  
technologies.

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You'll learn to  
effectively  
plan for and  
monitor  
performance, to  
troubleshoot  
systematically  
when things go  
wrong, and to  
manage your  
database rather

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*than letting it  
manage you.*

Definitive

Reference

*Provides  
information on  
ways to achieve  
high  
performance  
from PL/SQL.*

*Oracle Tuning*

*Power Scripts*

*Oracle*

*Performance*

*Troubleshooting*

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*Oracle*

*SQL\*Loader*

*Oracle Tuning*

*Oracle Database*

*11g The*

*Complete*

*Reference*

*Oracle Solid*

*State Disk*

*Tuning*

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**full details on the  
powerful features  
of Oracle Database**

**11g from this**

**thoroughly**

**updated Oracle**

**Press guide.**

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**11g: The Complete**

**Reference explains**

**how to use all the**

**new features and**

**tools, execute**

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**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**

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**performance, and**

**Definitive**  
**Reference**

**deploy grid**

**computing**

**techniques. An**

**invaluable cross-**

**referenced**

**appendix**

**containing Oracle**

**commands,**

**keywords,**

**features, and**

**functions is also**

**included. Install**

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**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**

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**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**

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**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**

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**scalability with**

**Oracle Real**

**Application**

**Clusters**

**Achieve 24x7**

**database uptime**

**and expand your**

**Oracle knowledge**

**using the**

**hundreds of tips**

**and techniques**

**provided in this**

**unique reference.**

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**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-**

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**oriented approach  
that covers the  
latest Oracle 8 and  
Oracle 8i features.  
Original. (Beginner  
/Intermediate)**

**The Oracle  
SQLPlus Pocket  
Reference is a  
must-have for  
anyone working  
with Oracle  
databases,**

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**especially those**

**looking to**

**maximize the**

**effectiveness of**

**SQLPlus. As**

**Oracle's long-**

**standing**

**interactive query**

**tool, SQLPlus is**

**available at every**

**Oracle site, from**

**the largest data**

**warehouse to the**

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**smallest single-  
user system.**

Definitive

Reference

**Despite its wide**

**use, however,**

**SQLPlus is still**

**often not**

**completely**

**understood or fully**

**utilized. Database**

**administrators and**

**developers alike**

**will therefore find**

**the Oracle**

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**SQLPlus Pocket Reference to be extremely beneficial. In addition to summarizing all of the SQLPlus syntax and format options, including new Oracle Database 10g features, this handy, on-the-job**

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**guide specifically  
shows readers  
how to:**

**Differentiate  
between SQL and  
SQLPlus Interact  
with SQLPlus from  
both the command  
line and the web  
browser Select,  
insert, update, and  
delete data Format  
both text and**

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**HTML reports with  
SQLPlus Specify**

**SQLPlus**

**commands and**

**format elements**

**Tune SQL queries**

**The new third**

**edition of this**

**book has been**

**updated for Oracle**

**Database 10g to**

**include**

**information on**

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**both SQL\*Plus and  
SQL. New SQL  
information  
includes the  
SELECT  
statement's new  
MODEL clause,  
flashback queries,  
partition outer  
joins, and  
DBMS\_XPLAN.  
With its quick-  
reference format**

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**and compact size,  
the Oracle**

**SQLPlus Pocket**

**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**

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**comprehensive  
book on SQLPlus,  
the bestselling**

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**Oracle SQL\*Plus:  
The Definitive  
Guide. Author  
Jonathan Gennick  
is an editor for  
O'Reilly  
specializing in  
database and  
programming  
titles, having**

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**amassed some 17**

**years of**

**programming and**

**database**

**management**

**experience.**

**With Dictionary**

**Internals SQL &**

**Tuning Scripts**

**A Problem-**

**Solution Approach**

**Oracle Database**

*Page 35/173*

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Tuning The

**12c DBA**

**Handbook**

**Advanced Oracle**

**Utilities: The**

**Definitive**

**Reference**

**Oracle Database**

**10g The Complete**

**Reference**

**A poorly performing**

**database application**

**not only costs users**

**time, but also has an**

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**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**

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**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**

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**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**

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Tuning The

Definitive  
and

Reference  
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

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**concerns and unique  
solutions to**

Definitive

Reference

**"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**

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**deterministic method  
for tuning your SQL  
queries to gain optimal  
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**

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manage Oracle  
successfully in a  
PeopleSoft  
environment. You'll  
learn about  
PeopleSoft's Internet  
architecture and its  
use of Oracle's  
Tuxedo Application  
Server. You'll find full  
coverage of key  
database issues such as  
indexing, connectivity,**

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**and tablespace usage  
as they apply to  
PeopleSoft. Kurtz also  
provides some of the  
best advice and  
information to be  
found anywhere on  
managing and  
troubleshooting  
performance issues in  
a PeopleSoft  
environment. The solid  
coverage of  
performance**

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**troubleshooting is  
enough by itself to**

**make PeopleSoft for**

**the Oracle DBA a**

**must-have book for**

**any Oracle Database**

**administrator working**

**in support of a**

**PeopleSoft**

**environment. Explains**

**PeopleSoft's technical**

**architecture as it**

**relates to Oracle**

**Database**

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instrument and

measure the

performance of

PeopleSoft Provides

techniques to

troubleshoot and

resolve performance

problems

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Techpress

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**benchmarking covers**

**such topics as**

**predictive analysis,**

**benchmark**

**components, testing an**

**architecture, and**

**maintaining SLAs.**

**Oracle SQL Tuning**

**Pocket Reference**

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**High Performance**

**Oracle Tuning with**

**RAM Disk**

**Oracle PL/SQL**

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**High Performance**

**Programming**

**Java Performance**

A valuable manual for  
database

professionals looking  
to adopt open-source  
database technology  
demonstrates real-  
world techniques for  
migrating legacy  
applications to

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EnterpriseDB,

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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/

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from the database  
and use it to

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Reference

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

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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

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hints, tips, and tools,  
the guide fully

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explains how to work  
with the Oracle  
system on order to  
achieve database  
performance  
excellence.

Successfully meeting  
the challenges of  
combining VMware  
and Oracle, this  
comprehensive  
reference provides a

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suggested

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virtualization server  
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  
complexities of

designing,

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configuring,  
maintaining, and

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tuning Oracle

database

deployments, making

it a complete

compendium for

keeping virtualized

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performance • • The

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- Includes crucial new insights into microbenchmarking found nowhere else.

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evolution of the Java platform give developers many new opportunities to optimize performance. Now, three of Sun's leading Java performance experts have written the first start-to-finish guide to optimizing Java performance in today's multi-core systems. Java

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Performance gives developers, designers, and architects all 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

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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 coverage includes an indispensable introduction to

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microbenchmarks -

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including guidance on

avoiding the common

microbenchmarking

mistakes that mislead

developers into

writing

badlyperforming

software. The book

also contains a

complete section on

Java performance

enhancement,

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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.

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Troubleshooting

Oracle Performance

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the Oak Table

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DBA—completely

updated for Oracle

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is the quintessential

tool for the DBA

with an emphasis

on the big

picture—enabling

administrators to

achieve effective

and efficient

database

management. Fully

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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

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completely revised  
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security program.

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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

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and examples

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available online

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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

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from the database,

Definitive  
utilize new

Reference  
administrative

features, query data

dictionary tables,

and more. Original.

(Intermediate)

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implementation of

SQL and explains

how to perform

tasks including

querying time-based

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data, implementing conditional logic in queries, writing queries, and joining data from two or more tables.

Performance

problems are rarely "problems" per se.

They are more often "crises" during which you 're pressured for

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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

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that situation is a  
book of solutions,  
and solutions are

precisely what

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Tuning Recipes

delivers. Oracle

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Performance

Tuning Recipes is a

ready reference for

database

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administrators in  
need of immediate  
help with

performance issues  
relating to Oracle  
Database. The book  
takes an example-  
based approach,  
wherein each  
chapter covers a  
specific problem  
domain. Within  
each chapter are

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"recipes," showing by 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,

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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

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each solution

Definitive

Written by a team

Reference

of experienced

database

administrators

successful in their

careers

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11g Performance

Tuning Recipes

Database

Benchmarking

Oracle Job

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Scheduling

Practical Methods

for Oracle & SQL

Server

Secrets of the

Oracle Database

Write Efficient SQL

***The authors have***

***revised and***

***updated this***

***bestseller to***

***include both the***

***Oracle8i and new***

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**Oracle9i Internet-  
savvy database  
products.**

Definitive

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**When your  
database  
application isn't  
running fast  
enough,  
troubleshooting  
is usually your  
first move.**

**Finding the slow  
part of an**

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*application is  
often easy, but*

*discovering a  
solution can*

*prove much more  
difficult.*

*Troubleshooting  
Oracle*

*Performance  
helps by*

*providing a  
systematic  
approach to*

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***addressing the  
underlying causes  
of poor database  
application  
performance.***

***Written for  
developers by an  
application  
developer who  
has learned by  
doing, this book  
shows you how to  
plan for***

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***performance as  
you would for any  
other application  
requirement.***

***Oracle SQL  
Tuning with  
SQLTXPLAIN is a  
practical guide to  
SQL tuning the  
way Oracle's own  
experts do it,  
using a freely  
downloadable***

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***tool called***  
***SQLTXPLAIN.***

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***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***

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***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***

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***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***

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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***

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***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***

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**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,**

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**Workload**

**Repository (AWR)**

**tables. The AWR**

**and its**

**interaction with**

**the Automatic**

**Database**

**Diagnostic**

**Monitor (ADDM)**

**is a revolution in**

**database tuning.**

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Reference

***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***

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**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**

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*structures and  
the new DBA  
history views.*

*Packed with  
ready-to-run  
scripts, you can  
quickly monitor  
and identify the  
most challenging  
performance  
issues.*

*The Definitive  
Guide*

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***Oracle8i DBA***

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***Oracle 24x7 Tips***

***and Techniques***

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***Oracle Tuning:***

***The Definitive***

***Reference***

**Jonathan Lewis is**

**one of the world's**

**foremost**

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**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](http://asktom.oracle.com/pls/ask/download_file?p_file=3067171813508366601) Book will be strongly co-promoted with Tom**

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**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**

*Page 95/173*

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**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**

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**reader will be  
supported long  
after the book is  
published**

**With the expert  
techniques  
discussed in this  
book, Oracle  
database  
administrators can  
automate routine  
tasks to save time  
and money and  
better monitor the**

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**flow of work. Using shell scripts—an indispensable tool on UNIX and Linux—any number of commands can be combined and executed either simultaneously or sequentially. More than 50 working shell scripts for both beginners and experts give Oracle**

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**professionals a  
fantastic head-  
start on**

**automating their  
administration  
duties and are  
easily modifiable  
for any  
environment.**

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history of shells  
and shell scripting,  
detailed step-by-  
step instructions**

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**on building shell scripts, how to tell when things are working right, and how to effectively monitor the system for failures.**

**New Internet functionality and support for Linux make Oracle8i a milestone release, and this authoritative guide**

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**explains all the  
tools and  
techniques  
administrators  
need to master this  
potent new  
database. Some of  
the new features  
covered include an  
embedded Java  
Virtual Machine,  
expanded data  
warehousing  
capabilities, and**

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**enhanced DBA**

**tools. You'll**

**discover SQL\* Plus**

**basics and tools on**

**your way to finding**

**out more about**

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**performance and**

**WebDB strategies.**

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**includes a sample**

**Oracle 8i database,**

**sample scripts, and**

**SQL\*Plus**

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**references.**

**Provides**

**information on how**

**to quickly**

**troubleshoot**

**Oracle**

**performance**

**problems, covering**

**such topics as**

**designing**

**databases, storage**

**and**

**reorganization,**

**memory usage, and**

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**Oracle Shell**  
**Scripting**  
**Linux and UNIX**  
**Programming for**  
**Oracle**  
**Oracle PL/SQL**

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## **Tuning**

Definitive

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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

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database design

including

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denormalization,

data types, nulls,

keys and indexes.

Provides information

on using solid state

RAM disk to

optimize the

performance of

Oracle.

One of the most

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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

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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

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Tuning The

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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

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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

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addition to the

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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.

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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

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modify.

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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 quick

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reference to subjects

such as interacting

with SQL \*Plus,

selecting data,

formatting reports,

writing scripting, and

tuning SQL. There's

also a command

reference.

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Oracle DBA

Generating Optimal

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Execution Plans

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Oracle Database 12c

Reference

Performance Tuning

Recipes

From Laptops to

Production

Oracle SQL\*Plus

Pocket Reference

Advanced Oracle

SQL Tuning

*This book is*

*the first of*

*Page 115/173*

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*its kind, a*

Definitive

*book dedicated*

Reference

*to tuning the*

*Oracle high*

*availability*

*RAC*

*architecture.*

*Oracle RAC*

*databases are*

*flexible and*

*robust, and*

*along with*

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*this*

Definitive

*flexibility*

Reference

*comes*

*complexity,*

*making RAC*

*tuning one of*

*the most*

*challenging*

*areas of*

*Oracle tuning.*

*Packed with*

*incisive*

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*insights and*

Definitive

*examples from*

Reference

*one of*

*America's*

*leading RAC*

*experts, guru*

*Brian Peasland*

*delivers an*

*indispensible*

*book for all*

*RAC*

*administrators*

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Definitive

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*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, the*

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Definitive

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*RAC DBA must also have an arsenal of tools and scripts that will help them ensure that their RAC database run at optimal levels. This book will be*

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*valuable to*

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*all Oracle*

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*professionals*

*who must tune*

*their Oracle*

*RAC systems*

*for peak*

*performance.*

*Similar to*

*tuning Oracle*

*database*

*systems in*

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Tuning The

*general,*

Definitive

Oracle RAC

Reference

*performance*

*tuning covers*

*a wide variety*

*of focus*

*areas. Topics*

*will include*

*Oracle wait*

*events*

*specific to*

*RAC*

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*deployments,*

Definitive

*using Oracle*

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*Enterprise*

*Manager Grid*

*Control and*

*AWR in*

*diagnosing RAC*

*problems, and*

*RAC utilities*

*such as OS*

*Watcher and*

*ORAchk*

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Tuning The

*(formerly*

Definitive

*RACcheck)* .

Reference

*This book will*

*also discuss*

*architecture*

*issues related*

*RAC*

*performance,*

*delving into*

*the cluster*

*interconnect,*

*physical disk*

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Tuning The

*layout and*

Definitive

*Oracle 12c new*

Reference

*Flex Clusters.*

*Oracle RAC*

*also allows*

*the workload*

*the spread*

*among several*

*low cost*

*servers (scale-*

*out) rather*

*than a large*

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Tuning The

*single server*

Definitive

*(scale-up),*

Reference

*and this book*

*examines these*

*approaches*

*from a tuning*

*perspective.*

*Many companies*

*are working*

*towards*

*private cloud*

*implementation*

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*s using RAC,*

Definitive

*and this book*

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*is perfect for*

*the DBA's*

*charged with .*

*Oracle 12c RAC*

*raises the bar*

*with its new*

*multi-tenant*

*database imple*

*mentation.*

*Think of multi-*

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*tenant as*

Definitive

*virtualization*

Reference

*at the*

*database*

*level. As more*

*companies*

*start*

*leveraging*

*Oracle 12c RAC*

*for their*

*enterprise*

*database*

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Tuning The

*architecture,*

Definitive

*it is*

Reference

*important that*

*the system be*

*designed and*

*tuned properly*

*to ensure the*

*application*

*has a well-*

*performing*

*user*

*experience.*

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Tuning The

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*This unique book provides a one-stop location for any RAC DBA who must become a RAC performance tuning specialist. Most Oracle RAC books on*

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Tuning The

*the market*

Definitive

*devote only*

Reference

*one chapter to*

*performance*

*tuning. The*

*information in*

*this book*

*provides a*

*solid*

*foundation for*

*one's first*

*RAC*

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*deployment,*

Definitive

*and provide*

Reference

*you with the*

*tools and*

*methods needed*

*to keep your*

*complex RAC*

*systems*

*running*

*optimally.*

*While this*

*book is not*

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*for beginners,*

*the reader is*

*Reference*

*given*

*sufficient*

*background*

*throughout the*

*chapters so*

*that most*

*Oracle DBAs,*

*even those*

*will little*

*Oracle RAC*

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*experience,*

Definitive

*will be able*

Reference

*to understand*

*its contents.*

*Oracle RAC is*

*inherently*

*complex. This*

*explains the*

*concepts*

*before delving*

*into highly*

*technical*

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*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.*

*Secrets of the*

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*Oracle*

Definitive

*Database is*

Reference

*the definitive*

*guide to*

*undocumented*

*and partially-*

*documented*

*features of*

*the Oracle*

*Database*

*server.*

*Covering*

*Page 136/173*

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Tuning The

*useful but*

Definitive

*little-known*

Reference

*features from*

*Oracle*

*Database 9*

*through Oracle*

*Database 11,*

*this book will*

*improve your*

*efficiency as*

*an Oracle*

*database*

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*administrator*

Definitive

*or developer.*

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*Norbert Debes*

*shines the*

*light of day*

*on features*

*that help you*

*master more*

*difficult admi*

*nistrative,*

*tuning, and tr*

*oubleshooting*

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Tuning The

Definitive

Reference

*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*

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Definitive

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*and word of  
mouth through  
knowing the  
right people.*

*What Norbert  
writes is  
accurate, well-  
tested, well-  
illustrated by  
clear  
examples, and  
sure to*

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Definitive

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*improve your  
ability to  
make an impact  
on your day-to-  
day work with  
Oracle.*

*Oracle has  
become the  
world's most  
flexible and  
robust  
database and*

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Tuning The

*along with*

Definitive

*great power*

Reference

*comes great*

*complexity.*

*This*

*complexity*

*requires that*

*the DBA have*

*expert*

*knowledge of*

*Oracle*

*internals.*

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*This book*

Definitive

*provides a*

Reference

*thorough step-*

*by-step*

*approach for*

*holistic*

*Oracle tuning*

*in this*

*challenging*

*information*

*technology*

*era. It*

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*represents the  
knowledge  
accumulated  
from tuning  
thousands of  
Oracle  
databases.*

*Oracle tuning  
has always  
been a complex  
task; however,  
it has become*

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Tuning The

*even more*

Definitive

*complex as*

Reference

*Oracle evolves*

*and yields new*

*techniques for*

*achieving*

*optimal*

*performance in*

*the stressed*

*production*

*environment of*

*today's high-*

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Tuning The  
tech world.

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*STATSPACK and*

*AWR has*

*introduced a*

*revolution in*

*database*

*tuning. By*

*understanding*

*these time-*

*series tables,*

*we can develop*

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*time-series*

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*tuning models*

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*to predict*

*upcoming*

*outages and*

*dynamically*

*change the*

*instance to*

*accommodate*

*the impending*

*resource*

*changes.*

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Database

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Reference

*tuning efforts  
must become as*

*sophisticated*

*as the*

*databases*

*themselves.*

*This book*

*strives to*

*show you how*

*to leverage*

*upon the*

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*wealth of*

Definitive

*Oracle*

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*performance*

*information so*

*that you can*

*create a*

*robust Oracle*

*database*

*engine, one*

*that maximizes*

*computing*

*resources*

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*while*

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*minimizing*

Reference

*overhead. If*

*you are*

*seeking*

*theory, this*

*is not the*

*book for you.*

*This book*

*encapsulates*

*the combined*

*knowledge of*

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*over a century*

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*of hands-on*

Reference

*DBA tuning*

*experience, a*

*pragmatic,*

*practical*

*approach for*

*the*

*professional*

*Oracle DBA.*

*This is not a*

*book for*

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*beginners.*

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*the senior*

*Oracle DBA,*

*this*

*comprehensive*

*book gives you*

*all of the*

*knowledge you*

*need to be*

*successful in*

*tuning even*

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*the most*

Definitive

*complex Oracle*

Reference

*database. The*

*code download*

*for this book*

*is packed with*

*ready-to-run*

*scripts to*

*monitor and*

*identify even*

*the most*

*challenging*

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Tuning The  
*performance*  
Definitive  
*issues.*

Reference

*It's*

*impossible to  
tune an Oracle  
database*

*without*

*understanding*

*SQL tuning.*

*Oracle is a*

*SQL processing*

*engine and the*

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Tuning The

*execution*

Definitive

*speed of any*

Reference

*SQL query is*

*influenced by*

*many factors,*

*both internal*

*and external.*

*As a*

*declarative*

*data access*

*method, SQL*

*relies on the*

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Tuning The

Definitive

Reference

*Oracle cost-based optimizer to always choose the "best" execution plan for every SQL query.*

*However, Oracle's SQL is among the most flexible*

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Tuning The

*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*

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*professional,*

Definitive

*and Oracle*

Reference

*professionals*

*are challenged*

*to create SQL*

*statements*

*that will*

*support*

*thousands of*

*concurrent*

*executions*

*with sub-*

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Tuning The

*second*

Definitive

*response time.*

Reference

*"Advanced*

*Oracle SQL*

*Tuning" is a*

*pragmatic*

*treatment of*

*Oracle SQL*

*tuning, short*

*on theory and*

*big on real-*

*world*

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*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*

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*charging SQL*

Definitive  
execution

Reference  
speed. This

book covers

advanced

topics and it

is not

appropriate

for beginners,

dilettantes or

neophytes.

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*Oracle SQL*

*Creating*

*Robust Task*

*Management*

*With Dbms\_job*

*And Oracle 10g*

*Dbms\_scheduler*

*Cost-Based*

*Oracle*

*Fundamentals*

Bookmark File

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Tuning The

*SQL Tuning*

Definitive

*Oracle Rac*

Reference

*Performance*

*Tuning*

**Performance**

**problems are**

**rarely**

**"problems" per**

**se. They are**

**more often**

**"crises" during**

**which you're**

**pressured for**

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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

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theory. What you

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need in that

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situation is a

book of

solutions, and

solutions are

precisely what

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Tuning Recipes

delivers. Oracle

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is a ready

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reference for

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administrators

in need of

immediate help

with performance

issues relating

to Oracle

Database. The

book takes an

example-based

approach,

wherein each

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chapter covers a specific problem domain. Within each chapter are "recipes," showing by example how to perform common tasks in that chapter's domain.

Solutions in the recipes are backed by clear

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References

explanations of  
background and  
theory from the  
author team.

Whatever the  
task, if it's pe-  
rformance-  
related, you'll  
probably find a  
recipe and a  
solution in this  
book. Provides  
proven solutions  
to real-life

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theory to

support each

solution Gets

straight to the

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you're under

pressure for

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concepts, this

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contains nearly

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designed to

enlighten you.

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versions, use

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and PL/SQL. Get

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and access

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beyond the

basics and learn

security, text

searches,

external tables,

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