

# Oracle Database 10g Standard Edition

The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Developers and DBAs use Oracle SQL coding on a daily basis, whether for application development, finding problems, fine-tuning solutions to those problems, or other critical DBA tasks. Oracle SQL: Jumpstart with Examples is the fastest way to get started and to quickly locate answers to common (and uncommon) questions. It includes all the basic queries: filtering, sorting, operators, conditionals, pseudocolumns, single row functions, joins, grouping and summarizing, grouping functions, subqueries, composite queries, hierarchies, flashback queries, parallel queries, expressions and regular expressions, DML, datatypes (including collections), XML in Oracle, DDL for basic database objects such as

tables, views and indexes, Oracle Partitioning, security, and finally PL/SQL. \* Each of the hundreds of SQL code examples was tested on a working Oracle 10g database \* Invaluable everyday tool that provides an absolute plethora of properly tested examples of Oracle SQL code \* Authors have four decades of commercial experience between them as developers and database administrators

The objective of this book is to cater to the needs of the students and professionals aspiring to become Oracle software developers. It covers the basics of Oracle Developer 2000, and exposes the readers to its important features and tools for application development. The concepts are explained with the help of numerous illustrations. Workout sections and case studies are designed to provide a real-life experience of development of application software. The book is most suitable for beginners, including the students pursuing courses in engineering disciplines (B.Tech/M.Tech) and computer applications (MCA/BCA) and research students who wish to learn and master Oracle Developer 2000 for writing project reports and dissertations. Professionals, too, can learn and explore Oracle Developer, using this book as a guide. Key Features ? More than 75 Examples ? Mini Case Studies in Workout Sections • A Real

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Life Case Study You will learn how to create: ?  
Form Components ? List of Values, Editor and  
Visual Attribute ? Input and Non-Input Items ?  
Message, Alerts, Menu and Function Key ?  
Mouse Events and Timer ? Item Interaction,  
Query and Validation Triggers ? Navigation and  
Transaction Triggers ? Window Interaction  
Trigger ? Parameter and Multiple Forms ? Report  
Builder Components ? Tabular, Form, and Group  
Type Reports ? Matrix Type Report ?  
Customization of a Report ? Calling Report from  
a Form CD-ROM Features: ? Contains programs  
of Examples, Workouts and Case Studies ?  
Programs are compatible with Oracle 8i, 9i and  
10g

Php Oracle Web Development

Expert Oracle Database 10g Administration

Expert Consolidation in Oracle Database 12c

Oracle SQL\*Plus

Exam 1Z0-042

Oracle Data Guard 11gR2 Administration

Beginner's Guide

***\*One-stop reference for administration and management of Oracle 10g Database \*9i predecessor was a best seller; this edition covers all new features, with fully field-tested examples—not just "showcase" examples \*Contains essential primers on Unix, Linux and Windows NT management and on SQL and PL/SQL programming; ideal for new/aspiring DBAs***

***\*Ideal for anyone who wants to learn SQL programming for Oracle database. \*Author has 25 years of teaching experience; 14***

*years of curriculum development experience; 14 years of experience with the Oracle database. \*Book can be used as collateral/handouts for SQL training courses at universities/ high schools.*

*A guide to the installation and configuration of Oracle9i RAC covers such topics as the design of RAC clusters, configuration of TAF, and monitoring and tuning RAC applications.*

*Pro Oracle Database 11g RAC on Linux provides full-life-cycle guidance on implementing Oracle Real Application Clusters in a Linux environment. Real Application Clusters, commonly abbreviated as RAC, is Oracle's industry-leading architecture for scalable and fault-tolerant databases. RAC allows you to scale up and down by simply adding and subtracting inexpensive Linux servers. Redundancy provided by those multiple, inexpensive servers is the basis for the failover and other fault-tolerance features that RAC provides. Written by authors well-known for their talent with RAC, Pro Oracle Database 11g RAC on Linux gives you a rock-solid and technically flawless foundation on which to build your RAC-management skills. Authors Julian Dyke and Steve Shaw share their hard-won experience in building RAC clusters, showing you how to build for success using the very latest Oracle technologies, such as Automatic Storage Management (ASM) and Oracle Clusterware. You'll learn to troubleshoot performance and other problems. You'll even learn how to correctly deploy RAC in a virtual-machine environment based upon Oracle VM, which is the only virtualization solution supported by Oracle Corporation. RAC is a complex and powerful technology. It demands expertise in its deployment. You can't just "wing it" in creating a RAC solution. Julian and Steve have earned the right to term themselves expert—in Pro Oracle Database 11g RAC on Linux, they offer a rigorous and technically-correct treatment of RAC that helps you build a solid foundation of expertise and achieve success. Rigorous and technically accurate content Complete coverage of RAC, from*

*planning to implementation to rollout to ongoing maintenance and troubleshooting Up-to-date with the very latest RAC features*

*Oracle Database 10g XML & SQL: Design, Build, & Manage XML Applications in Java, C, C++, & PL/SQL*

*Oracle SQL*

*RMAN Recipes for Oracle Database 11g*

*CIO*

*Oracle 10g für den DBA*

*PC Mag*

A novel approach to developing and applying databases with Visual C#.NET Practical Database Programming with Visual C#.NET clearly explains the considerations and applications in database programming with Visual C#.NET 2008 and in developing relational databases such as Microsoft Access, SQL Server, and Oracle Database. Sidestepping the traditional approach of using large blocks of code, Ying Bai utilizes both Design Tools and Wizards provided by Visual Studio.NET and real-time object methods to incorporate over sixty real sample database programming projects along with detailed illustrations and explanations to help readers understand the key techniques and programming technologies in database programming. This invaluable resource features: Fundamental and advanced database programming techniques for beginning and experienced students as well as programmers A real completed sample

database CSE\_DEPT with three versions (Microsoft Access 2007, SQL Server 2005 SP2, and Oracle Database 10g XE Release 2) used throughout the entire book Step-by-step details on designing and building a practical relational database Discussion and analysis of the new database query technique, LINQ API—which includes LINQ to Objects, LINQ to DataSet, LINQ to SQL, LINQ to Entities, and LINQ to XML—and implementation in actual projects with line-by-line explanation Homework and selected solutions for each chapter to strengthen and improve learning and understanding An Instructor's Manual (MS PPT), example codes and exercise questions, homework/exercise solutions, and database projects available for free download E-mail assistance from the author Readers who will benefit highly from this reference are undergraduate or graduate students majoring in computer science and engineering, graduate students in all engineering departments, and software engineers and researchers in academic and industrial fields. To obtain instructor materials please send an email to [pressbooks@ieee.org](mailto:pressbooks@ieee.org) Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. This practical book for PHP/Oracle

developers is built around well explained, easy-to-follow example code to build robust, efficient, secure solutions covering popular current topics on using PHP with Oracle. Assuming no special skill level, experienced author Yuli Vasiliev shows how to install and configure PHP and Oracle; connect PHP to Oracle; move application business logic to Oracle; build transactional applications; use security features; improve performance with caching; employ XML features; implement SOAP web services; build Ajax-driven PHP/Oracle solutions. Building and deploying PHP applications on Oracle Database combines the power and robustness of Oracle with the easy, rapid development of open-source PHP to achieve high-performance, scalable, reliable data-driven web applications with minimal effort. Unlike some other databases, Oracle allows building the key business logic of PHP applications inside the database, moving data processing from web server to database server. Build and manage your Oracle Database XE environment with this fast paced, practical guide

Support for regular expressions in SQL and PL/SQL is one of the most exciting features of Oracle Database 10G. Oracle

has long supported the ANSI-standard LIKE predicate for rudimentary pattern matching, but regular expressions take pattern matching to a new level. They provide a powerful way to select data that matches a pattern, as well as to manipulate, rearrange, and change that data. This concise pocket guide is part tutorial and part quick-reference. It's suitable for those who have never used regular expressions before, as well as those who have experience with Perl and other languages supporting regular expressions. The book describes Oracle Database 10G's support for regular expressions, including globalization support and differences between Perl's syntax and the POSIX syntax supported by Oracle 10G. It also provides a comprehensive reference, including examples, to all supported regular expression operators, functions, and error messages. O'Reilly's Pocket References have become a favorite among developers and database administrators everywhere. By providing a wealth of important details in a concise, well-organized format, these handy books deliver just what you need to complete the task at hand. Whether you're using regular expressions for the first time or applying your skills from other

languages to the latest version of Oracle, the Oracle Regular Expressions Pocket Reference is the book to have close by.

From Novice to Professional

Oracle Database 10g

For Oracle Database 12c

Getting Started

Oracle Warehouse Builder 11g

Beginning Oracle SQL

***Oracle Database 10g DBA Handbook McGraw Hill Professional***

***Beginning Oracle SQL is your introduction to the interactive query tools and specific dialect of SQL used with Oracle Database. These tools include SQL\*Plus and SQL Developer. SQL\*Plus is the one tool any Oracle developer or database administrator can always count on, and it is widely used in creating scripts to automate routine tasks. SQL Developer is a powerful, graphical environment for developing and debugging queries. Oracle's is possibly the most valuable dialect of SQL from a career standpoint. Oracle's database engine is widely used in corporate environments worldwide. It is also found in many government applications. Oracle SQL implements many features not found in competing products. No developer or DBA working with Oracle can afford to be without knowledge of these features and how they work,***

***because of the performance and expressiveness they bring to the table. Written in an easygoing and example-based style, Beginning Oracle SQL is the book that will get you started down the path to successfully writing SQL statements and getting results from Oracle Database. Takes an example-based approach, with clear and authoritative explanations Introduces both SQL and the query tools used to execute SQL statements Shows how to create tables, populate them with data, and then query that data to generate business results What you'll learn Create database tables and define their relationships. Add data to your tables. Then change and delete that data. Write database queries that generate accurate results. Avoid common traps and pitfalls in writing SQL queries, especially from nulls. Reap the performance and expressiveness of analytic and window functions. Make use of Oracle Database's support for object types. Write recursive queries to query hierarchical data. Who this book is for Beginning Oracle SQL is aimed at developers and database administrators who must write SQL statements to execute against an Oracle database. No prior knowledge of SQL is assumed. Table of Contents 1. Relational Database Systems and Oracle 2. Introduction to SQL and SQL \*Plus, and SQL Developer 3. Data***

**Definition, Part I 4. Retrieval: The Basics 5. Retrieval: Functions 6. Data Manipulation 7. Data Definition, Part II 8. Retrieval: Joins and Grouping 9. Retrieval: Advanced Features 10. Views 11. Automating 12. Object-Relational Features 13. Appendix A – Case Tables 14. Appendix B – Exercise Solutions**

**\*Exploits new features of Visual Studio .NET 2003 and the Oracle database 10g. (But concepts and code still apply to the earlier releases, 8i and 9i, that currently comprise most business systems). \*Explains Oracle programming using both C# and VB.NET languages; provides a one-stop reference for VS.NET developers working with Oracle. \*Excellent resource for J2EE programmers in environments considering moving to a .NET environment (and retaining the Oracle database).**

**Using real-world examples and hands-on tasks, Oracle Data Guard 11gR2 Administration Beginner's Guide will give you a solid foundation in Oracle Data Guard. It has been designed to teach you everything you need to know to successfully create and operate Data Guard environments with maximum flexibility, compatibility, and effectiveness. If you are an Oracle database administrator who wants to configure and administer Data Guard configurations, then "Oracle Data Guard 11gR2**

***Administration Beginner's Guide" is for you. With a basic understanding of Oracle database administration, you'll be able to easily follow the book.***

***Jumpstart with Examples***

***Basics to Implementation***

***Mastering Oracle SQL and SQL \*Plus***

***Hands-On Oracle Database 10g Express Edition for Linux***

***The Definitive Reference***

***Oracle Database 10g Express Edition PHP Web Programming***

Written by members of the Oracle XML group, this is a must-have reference for all IT managers, DBAs, and developers who want to learn the best practices for using XML with Oracle's XML-enabled products. Includes real-world case studies based on the authors' experience managing Oracle's XML Discussion Forum--a community of 20,000+ XML component users.

\* Only book on the market to actually show you how to build an Oracle RAC cluster on Linux. \* Author expertise & quality: Steve Shaw's Hammerora project is one of the most visited sites in SourceForge.net. Julian Dyke is Chair of UK Oracle User Group RAC SIG and a member of the Oak Table Network. \* Based on latest Oracle release (10g R2) which we anticipate being the release where the largest number of customers migrate from existing single instance databases to RAC clusters. \* Linux is highest growth sector in relational database market and Oracle has 69% of that market (Gartner).

Everything a DBA needs to know in one volume--this is the must-have reference for anyone working with the Oracle database, and it's been fully revised and updated for Oracle Database 10g. Co-author Kevin Loney is the all-time, best-selling Oracle Press author. The book contains step-by-step information about administrating Oracle 10g Database. The book well planned and designed to handle complicated database operations in a lucid language. A lot of emphasis has been given to explain database operations using Oracle Enterprise Manager.

Oracle Essentials

Oracle10g Grid Computing with RAC

DBA Study Guide - OCP Prep Guide

Pro Oracle Database 11g RAC on Linux

The Definitive Guide

Tutorial & Quick Reference

Linguistic Databases explores the increasing use of databases in linguistics. The enormous potential in linguistic data - billions of utterances and messages daily - has been difficult to exploit. Many linguists have had to concentrate on introspective data with its inevitable blinders toward frequency, variation, and naturalness. Applications of linguistics have been handicapped. This volume explores the potential advantages of database applications to linguistics. Included in this volume are reports on database activities in phonetics, phonology, lexicography and syntax, comparative grammar, second-language acquisition, linguistic fieldwork, and language pathology. The book presents the specialized problems of multi-media (especially audio) and multi-lingual texts, including those in exotic writing systems. Implemented solutions are also discussed. The opportunities to use existing, minimally

structured text repositories are presented.

This is an adaptation of Jason Gilmore's best-selling book, *Beginning PHP and MySQL*. It's a recognition of the growing use of PHP with commercial databases, Oracle in particular, enabling readers in Oracle-based shops to learn PHP on their chosen platform. Supplying the Oracle expertise is Bob Bryla, co-author of the *Oracle Database 10g DBA Handbook* and many other titles. His easy-going and straightforward style is an excellent match for Jason's, making their book one of the best things going for those wanting to learn about using PHP with Oracle.

In this book, Oracle experts Darl Kuhn, Sam Alapati, and Arup Nanda show you the power of Recovery Manager, or RMAN, which is Oracle's backup and recovery tool of choice. *Oracle RMAN Recipes* helps you take advantage of all that RMAN has to offer. This handy guide demystifies the steps required to protect your business data. It provides ready-made and example-based solutions to common (and some not-so-common) backup and recovery operations.

*Expert Consolidation in Oracle Database 12c* is your key to reducing data management costs and increasing data center efficiency. Consolidation and cloud computing are converging trends sweeping the industry. The same technologies enabling cloud computing enable consolidation as well, leading to savings on all fronts from the amount of power used for servers to the amount of floor space consumed to the number of administrators needed to manage an installation. Yet the consolidation process can be a long and winding road. Success requires planning, and consideration to the impacts on supporting infrastructure. *Expert Consolidation in Oracle Database 12c* guides you through planning and implementing a

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consolidated Oracle Database installation using the many new features built into the latest release of Oracle's database management system. You'll learn to identify candidates for consolidation and to recognize instances that are best left stand-alone. The book guides in working with clustered systems and ASM storage in the consolidated environment. Focus is given to Oracle Enterprise Manager 12c Cloud Control as a monitoring and management dashboard. Always the goal is to drive towards a cost-effective environment that is efficient both in technology and people. Focuses on the new consolidation features in Oracle Database 12c Helps you evaluate and correctly decide when to consolidate Leads to cost savings and improved data center efficiency

A Problem-Solution Approach

Data Processing, Security, Caching, XML, Web Services, and Ajax

Oracle 10G Administration In Simple Steps

Oracle Database 10g DBA Handbook

Practical Database Programming With Visual C#.NET

***Now in its third edition, this best-selling book continues to bring you some of the best thinking on how to apply Oracle Database to produce scalable applications that perform well and deliver correct results. Tom Kyte and Darl Kuhn share a simple philosophy: "you can treat Oracle as a black box and just stick data into it, or you can understand how it works and exploit it as a powerful computing environment." If you choose the latter, then***

***you'll find that there are few information management problems that you cannot solve quickly and elegantly. This fully revised third edition covers the developments up to Oracle Database 12c. Significant new content is included surrounding Oracle's new cloud feature set, and especially the use of pluggable databases. Each feature is taught in a proof-by-example manner, not only discussing what it is, but also how it works, how to implement software using it, and the common pitfalls associated with it. Don't treat Oracle Database as a black-box. Get this book. Get under the hood. Turbo-charge your career. Revised to cover Oracle Database 12c Proof-by-example approach: Let the evidence be your guide Dives deeply into Oracle Database's most powerful features***

***Extract, Transform, and Load data to build a dynamic, operational data warehouse. The fastest way to get up and running on Oracle Database XE Take full advantage of all the powerful features available in Oracle Database 10g Express Edition with help from this easy-to-follow Oracle Press guide. Hands-On Oracle Database 10g Express Edition for Windows shows you, step by step, how to set up, administer, tune, troubleshoot, and secure a robust database***

***system. You will also learn to use PL/SQL and Oracle Application Express to build custom database applications. Get started today with the Oracle database that's free to develop, deploy, and distribute.***

***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***

***Oracle 10g Grid and Real Application Clusters***

***Pro .NET Oracle Programming***

***effizient konfigurieren, optimieren und verwalten***

***Expert Oracle Database Architecture***

***Installation, Administration, and Performance***

The fastest way to get up and running on Oracle Database XE Take full advantage of all the powerful features available in Oracle Database 10g Express Edition with help from this easy-to-follow Oracle Press guide. Hands-On Oracle Database 10g Express Edition for Linux shows you, step by step, how to set up, administer, tune, troubleshoot, and secure a robust database system. You will also learn to use PL/SQL and Oracle Application Express to build custom database applications. Get started today with the Oracle database that's free to develop, deploy, and distribute.

An enormous system comprising myriad technologies, options, and releases, Oracle's complexities have spawned numerous areas of specialization. For each area of specialization there are equally specialized how-to books and manuals. O'Reilly's Oracle Essentials claims a unique place among these books. Rather than focusing on one area, the book explains the foundational concepts of the Oracle technology and the core technical and business aspects of using it. The new edition of this classic book, Oracle

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Essentials, 3rd Edition: Oracle Database 10g, distills a vast amount of knowledge into an easy-to-read volume covering every aspect of the Oracle database. Readers of all levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning, and much more. Featuring focused text, abundant illustrations, and helpful hints, the new edition offers a valuable overview of Oracle's Database 10g--the industry's first database to support grid computing. Recent releases such as Oracle 9i and 8i are also covered. The book contains chapters on: Oracle products, options, and overall architecture for Oracle 10g and prior recent releases Installing and running Oracle: how to configure, start up, and shut down the database, and various networking issues Oracle data structures, datatypes, and ways of extending datatypes, with an introduction to Oracle objects (e.g., tables, views, indexes) Managing Oracle: security, the Oracle Enterprise Manager, fragmentation and reorganization, and backup and recovery Oracle performance: characteristics of disk, memory, and CPU tuning Multi-user concurrency, online transaction processing (OLTP), and high availability Hardware architectures (e.g., SMP, MPP, NUMA) and their impact on Oracle Data warehousing and distributed databases Network deployment: using Oracle as an Internet computing platform and for grid computing What's new in Oracle 10g: a summary of the database changes described in the book Oracle Essentials, 3rd Edition: Oracle Database 10g was written for anyone whose job involves managing or building systems using Oracle DBMS technology or working with staff that uses Oracle technology. This book is the perfect all-in-one source for understanding the complexities and capabilities of Oracle. 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,

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generate reports, extract data from the database, utilize new administrative features, query data dictionary tables, and more. Original. (Intermediate)

The traditional division of labor between the database (which only stores and manages SQL and XML data for fast, easy data search and retrieval) and the application server (which runs application or business logic, and presentation logic) is obsolete. Although the book's primary focus is on programming the Oracle Database, the concepts and techniques provided apply to most RDBMS that support Java including Oracle, DB2, Sybase, MySQL, and PostgreSQL. This is the first book to cover new Java, JDBC, SQLJ, JPublisher and Web Services features in Oracle Database 10g Release 2 (the coverage starts with Oracle 9i Release 2). This book is a must-read for database developers audience (DBAs, database applications developers, data architects), Java developers (JDBC, SQLJ, J2EE, and OR Mapping frameworks), and to the emerging Web Services assemblers. Describes pragmatic solutions, advanced database applications, as well as provision of a wealth of code samples. Addresses programming models which run within the database as well as programming models which run in middle-tier or client-tier against the database. Discusses languages for stored procedures: when to use proprietary languages such as PL/SQL and when to use standard languages such as Java; also running non-Java scripting languages in the database. Describes the Java runtime in the Oracle database 10g (i.e., OracleJVM), its architecture, memory management, security management, threading, Java execution, the Native Compiler (i.e., NCOMP), how to make Java known to SQL and PL/SQL, data types mapping, how to call-out to external Web components, EJB components, ERP frameworks, and external databases. Describes JDBC programming and the new Oracle JDBC 10g features, its

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advanced connection services (pooling, failover, load-balancing, and the fast database event notification mechanism) for clustered databases (RAC) in Grid environments. Describes SQLJ programming and the latest Oracle SQLJ 10g features , contrasting it with JDBC. Describes the latest Database Web services features, Web services concepts and Services Oriented Architecture (SOA) for DBA, the database as Web services provider and the database as Web services consumer. Abridged coverage of JPublisher 10g, a versatile complement to JDBC, SQLJ and Database Web Services.

ORACLE DEVELOPER 2000

Oracle Database XE 11gR2 Jump Start Guide

Oracle PL/SQL Programming

OCA: Oracle 10g Administration I Study Guide

Oracle Database Programming using Java and Web Services  
Linguistic Databases