

# Oracle Dbi Implementation Guide

Parliamentary Debates (Hansard).The Hitchhiker's Guide to PythonFlexible Flat Panel DisplaysProgramming the Perl DBIBeginners Guide To Oracle HCM CloudOracle to DB2 Conversion Guide: Compatibility Made EasyPractical Binary AnalysisThe Software EncyclopediaBusiness Intelligence Tools for Small CompaniesR MarkdownSecrets of the Oracle DatabaseSAP Backup using Tivoli Storage ManagerJump Start MySQLEnterprise Integration with RubyLearning MySQLOracle Business Intelligence with Machine LearningPerl for Oracle DBAsMySQL to DB2 Conversion GuideExpert One-on-One OracleHigh-Performance OracleEffective Oracle by DesignbookdownThe Software Encyclopedia 2000Mastering Oracle SQLRuby Developers GuideThe Definitive Guide to SQLiteThe Developer's Guide to Oracle Web Application Server 3Practical mod\_perlPractical Oracle E-Business SuiteOracle Discoverer 10g HandbookExpert Oracle Enterprise Manager 12cMySQL Stored Procedure ProgrammingOracle Database 12c Release 2 MultitenantOracle Big Data HandbookOracle PL/SQL ProgrammingThe Definitive Guide to JythonPerl for Oracle DBAsDatabase AdministrationR in a NutshellPerl DBI

## Parliamentary Debates (Hansard).

"Geoff Ingram has met the challenge of presenting

the complex process of managing Oracle performance. This book can support every technical person looking to resolve Oracle 8i and Oracle 9i performance issues."

-Aki Ratner, President, Precise Software Solutions

Ensuring high-performance and continuous availability of Oracle software is a key focus of database managers. At least a dozen books address the subject of "performance tuning"-- that is, how to fine-tune the Oracle database for its greatest processing efficiency. Geoff Ingram argues that this approach simply isn't enough. He believes that performance needs to be addressed right from the design stage, and it needs to cover the entire system--not just the database. High-Performance Oracle is a hands-on book, loaded with tips and techniques for ensuring that the entire Oracle database system runs efficiently and doesn't break down. Written for Oracle developers and DBAs, and covering both Oracle 8i and Oracle 9i, the book goes beyond traditional performance-tuning books and covers the key techniques for ensuring 24/7 performance and availability of the complete Oracle system. The book provides practical solutions for:

- \* Choosing physical layout for ease of administration and efficient use of space
- \* Managing indexes, including detecting unused indexes and automating rebuilds
- \* SQL and system tuning using the powerful new features in Oracle 9i Release 2
- \* Improving SQL performance without modifying code
- \* Running Oracle Real Application Clusters (RAC) for performance and availability
- \* Protecting data using Recover Manager (RMAN), and physical and logical standby databases

The companion Web site provides the complete source code for examples in the book, updates on

techniques, and additional documentation for optimizing your Oracle system.

### **The Hitchhiker's Guide to Python**

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.

### **Flexible Flat Panel Displays**

Enterprise Manager 12c (EM12c), Oracle's newest and fully-integrated enterprise management product, now provides a complete cloud lifecycle management solution and enterprise environment management interface. Expert Oracle Enterprise Manager 12c opens up the secrets of this incredible management tool, saving you time while enhancing your visibility as someone management can rely upon to deliver reliable database service in today's increasingly chaotic and change-driven IT environment. Expert Oracle Enterprise Manager 12c covers all the topics

you demand and need to function effectively, from basic monitoring and configuration to advanced metric extensions and plugins. Real-life scenarios and demonstrations place you in the comfort zone of using the EM12c console, and the experienced author team provides deep understanding of the inner workings of this new Enterprise Manager. Database administrators and system administrators are expected to offer increasing levels of service for 24X7 systems and newer cloud environments. Em12c offers robust, end-to-end intelligent management of the complete environment. It includes direct, real-time integration with Oracle's online knowledgebase. Expert Oracle Enterprise Manager 12c helps you master this important tool and manage any challenge that comes your way. Provides example solutions to everyday problems through EM12c features. Explains the changes in EM12c, included trusted extensions. Focuses on advanced aspects of the EM12c interface.

### **Programming the Perl DBI**

\* A proven best-seller by the most recognized Oracle expert in the world. \* The best Oracle book ever written. It defines what Oracle really is, and why it is so powerful. \* Inspired by the thousands of questions Tom has answered on his <http://asktom.oracle.com> site. It tackles the problems that developers and DBAs struggle with every day. \* Provides everything you need to know to program correctly with the database and exploit its feature-set effectively.

### **Beginners Guide To Oracle HCM Cloud**

Following this book's tips and techniques, readers learn how to glue disparate enterprise-class systems together using Enterprise Integration.

### **Oracle to DB2 Conversion Guide: Compatibility Made Easy**

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

### **Practical Binary Analysis**

In this IBM® Redbooks® publication, we give an overview of different data management topics related to a typical SAP® data center. The intrinsic functionality of SAP is not designed to completely handle all the tasks of a data center by itself, but the SAP system offers several interface possibilities to attach external tools to it to accomplish this task. We explain SAP basic concepts and the issues with SAP data management. We introduce Tivoli® Storage Manager and all of its products that are related to SAP data management. We provide some comparison between database backup and recovery tools. Finally, we discuss data archiving using IBM DB2® CommonStore for SAP, and discuss high availability requirements and disaster recovery considerations. The second part of this book discusses a practical implementation of SAP backup and recovery with Tivoli Storage Manager. We implement this setup on two separate SAP systems: one running DB2 and the other running Oracle® database. We also implement

LAN-free backup and FlashCopy® scenarios. In the sample implementation section, we show many different tasks, such as backup and restore, database recovery, backup monitoring, and tuning. We also cover some advanced backup/availability considerations, such as split mirror backup and standby databases. This book helps individuals that operate an SAP environment to devise a strategy for a sound and comprehensive data backup solution using the IBM Tivoli Storage Management product family.

### **The Software Encyclopedia**

Perl is a very powerful tool for Oracle database administrators, but too few DBAs realize how helpful Perl can be in managing, monitoring, and tuning Oracle databases. Whether you're responsible for Oracle9i, Oracle8i, or earlier databases, you'll find Perl an invaluable addition to your database administration arsenal. You don't need to be a Perl expert to use the excellent applications and scripts described in Perl for Oracle DBAs. The book explains what you need to know about Perl, provides a wealth of ready-to-use scripts developed especially for Oracle DBAs, and suggests many resources for further exploration. The book covers: The Perl language -- an introduction to Perl, its rich history and culture, and its extensive text processing and data transformation capabilities. The Perl/Oracle architecture -- Detailed information about Perl DBI, DBD::Oracle, the Oracle Call Interface (OCI), Oracle::OCI, extproc\_perl, and mod\_perl, the modules that allow Perl programs to communicate with Oracle databases. Perl applications

for Oracle DBAs -- Profiles of the best Perl open source applications available for use and customization by Oracle DBAs: Perl/Tk, OraExplain, StatsView, Orac, DDL::Oracle, SchemaDiff, Senora, DBD::Chart, SchemaView-Plus, Oracletool, Karma, Embperl, and Mason. The Perl Database Administration (PDBA) Toolkit -- a comprehensive suite of specialized, ready-to-use scripts designed to help Oracle DBAs perform both routine and special-purpose administrative tasks: monitoring the Oracle alert log and databases, creating and managing Oracle user accounts, maintaining indexes and extents, extracting DDL and data, troubleshooting and tuning database problems, and much more. The book also explains how Oracle DBAs and developers can extend the toolkit and solve their own database administration problems using Perl.

### **Business Intelligence Tools for Small Companies**

This IBM® Redbooks® publication describes IBM DB2® SQL compatibility features. The latest version of DB2 includes extensive native support for the PL/SQL procedural language, new data types, scalar functions, improved concurrency, built-in packages, OCI, SQLPlus, and more. These features can help with developing applications that run on both DB2 and Oracle and can help simplify the process of moving from Oracle to DB2. In addition, IBM now provides tools to simplify the enablement process, such as the highly scalable IBM Data Movement Tool for moving schema and data into DB2, and an Editor and Profiler

for PL/SQL provided by the IBM Data Studio tool suite. This Oracle to DB2 migration guide describes new technology, preferred practices for moving to DB2, and common scenarios that can help you as you move from Oracle to DB2. This book is intended for IT architects and developers who are converting from Oracle to DB2. DB2 compatibility with Oracle is provided through native support. The new capabilities in DB2 that provide compatibility are implemented at the lowest and most intimate levels of the database kernel, as though they were originally engineered for DB2. means that the DB2 implementation is done without the aid of an emulation layer. This intimacy leads to the scalable implementation that DB2 offers, providing identical performance between DB2 compatibility features and DB2 other language elements. For example, DB2 runs SQL PL at the same performance as PL/SQL implementations of the same function.

## **R Markdown**

## **Secrets of the Oracle Database**

Practical Binary Analysis is the first book of its kind to present advanced binary analysis topics in an accessible way. After an introduction on the basics of binary formats, disassembly, and code injection, you'll dive into more complex topics such as binary instrumentation, dynamic taint analysis, and symbolic execution. By the end of the book, you'll be able to build your own binary analysis tools on Linux by

following hands-on and practical examples.

### **SAP Backup using Tivoli Storage Manager**

Switching database vendors is often considered an exhausting challenge for database administrators and developers. Complexity, total cost, and the risk of downtime are often the reasons that restrain IT decision makers from starting the migration project. The primary goal of this book is to show that, with the proper planning and guidance, converting from MySQL to IBM® DB2® is not only feasible but straightforward. If you picked up this book, you are most likely considering converting to DB2 and are probably aware of several of the advantages of converting to DB2 data server. In this IBM Redbooks® publication, we discuss in detail how you can take advantage of this industry leading database server. This book is an informative guide that describes how to convert the database system from MySQL™ 5.1 to DB2® V9.7 on Linux® and the steps that are involved in enabling the applications to use DB2 instead of MySQL. This guide also presents the best practices in conversion strategy and planning, conversion tools, porting steps, and practical conversion examples. It is intended for technical staff that is involved in a MySQL to DB2 conversion project.

### **Jump Start MySQL**

"Cowritten by members of Oracle's big data team, [this book] provides complete coverage of Oracle's

comprehensive, integrated set of products for acquiring, organizing, analyzing, and leveraging unstructured data. The book discusses the strategies and technologies essential for a successful big data implementation, including Apache Hadoop, Oracle Big Data Appliance, Oracle Big Data Connectors, Oracle NoSQL Database, Oracle Endeca, Oracle Advanced Analytics, and Oracle's open source R offerings"--Page 4 of cover.

### **Enterprise Integration with Ruby**

bookdown: Authoring Books and Technical Documents with R Markdown presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX, you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports,

dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is fully available on GitHub.

### **Learning MySQL**

The implementation of stored procedures in MySQL 5.0 a huge milestone -- one that is expected to lead to widespread enterprise adoption of the already extremely popular MySQL database. If you are serious about building the web-based database applications of the future, you need to get up to speed quickly on how stored procedures work -- and how to build them the right way. This book, destined to be the bible of stored procedure development, is a resource that no real MySQL programmer can afford to do without. In the decade since MySQL burst on the scene, it has become the dominant open source database, with capabilities and performance rivaling those of commercial RDBMS offerings like Oracle and SQL Server. Along with Linux and PHP, MySQL is at the heart of millions of applications. And now, with support for stored procedures, functions, and triggers in MySQL 5.0, MySQL offers the programming power needed for true enterprise use. MySQL's new procedural language has a straightforward syntax, making it easy to write simple programs. But it's not

so easy to write secure, easily maintained, high-performance, and bug-free programs. Few in the MySQL world have substantial experience yet with stored procedures, but Guy Harrison and Steven Feuerstein have decades of combined expertise. In *MySQL Stored Procedure Programming*, they put that hard-won experience to good use. Packed with code examples and covering everything from language basics to application building to advanced tuning and best practices, this highly readable book is the one-stop guide to MySQL development. It consists of four major sections: MySQL stored programming fundamentals -- tutorial, basic statements, SQL in stored programs, and error handling Building MySQL stored programs -- transaction handling, built-in functions, stored functions, and triggers MySQL stored programs in applications -- using stored programs with PHP, Java, Perl, Python, and .NET (C# and VB.NET) Optimizing MySQL stored programs -- security, basic and advanced SQL tuning, optimizing stored program code, and programming best practices A companion web site contains many thousands of lines of code, that you can put to use immediately. Guy Harrison is Chief Architect of Database Solutions at Quest Software and a frequent speaker and writer on MySQL topics. Steven Feuerstein is the author of *Oracle PL/SQL Programming*, the classic reference for Oracle stored programming for more than ten years. Both have decades of experience as database developers, and between them they have authored a dozen books.

### **Oracle Business Intelligence with**

## Machine Learning

Flexible displays are currently one of the most researched topics within the flat panel display community. They promise to change our display-centric world by replacing bulky rigid devices with those that are paper-thin and can be rolled away or folded up when not in use. The field of flexible flat panel displays is truly unique in the sense that it is interdisciplinary to the display community, combining basic principles from nearly all engineering and science disciplines. Organized to bring the reader from the component level, through display system and assembly, to the possible manufacturing routes Flexible Flat Panel Displays: \* outlines the underlying scientific theory required to develop flexible display applications; \* addresses the critical issues relating to the convergence of technologies including substrates, conducting layers, electro-optic materials and thin-film transistors; \* provides guidance on flexible display manufacturing; and \* presents market information and a chapter dedicated to future market trends of flexible flat panel displays. Flexible Flat Panel Displays is an essential tool for scientists, engineers, designers and business and marketing professionals working at all levels of the display industry. Graduate students entering the field of display technology will also find this book an excellent reference. The Society for Information Display (SID) is an international society, which has the aim of encouraging the development of all aspects of the field of information display. Complementary to the aims of the society, the Wiley-SID series is intended to

explain the latest developments in information display technology at a professional level. The broad scope of the series addresses all facets of information displays from technical aspects through systems and prototypes to standards and ergonomics

### **Perl for Oracle DBAs**

Use machine learning and Oracle Business Intelligence Enterprise Edition (OBIEE) as a comprehensive BI solution. This book follows a when-to, why-to, and how-to approach to explain the key steps involved in utilizing the artificial intelligence components now available for a successful OBIEE implementation. Oracle Business Intelligence with Machine Learning covers various technologies including using Oracle OBIEE, R Enterprise, Spatial Maps, and machine learning for advanced visualization and analytics. The machine learning material focuses on learning representations of input data suitable for a given prediction problem. This book focuses on the practical aspects of implementing machine learning solutions using the rich Oracle BI ecosystem. The primary objective of this book is to bridge the gap between the academic state-of-the-art and the industry state-of-the-practice by introducing you to machine learning with OBIEE.

**What You Will Learn**

- See machine learning in OBIEE
- Master the fundamentals of machine learning and how it pertains to BI and advanced analytics
- Gain an introduction to Oracle R Enterprise Discover the practical considerations of implementing machine learning with OBIEE
- Who This Book Is For Analytics

managers, BI architects and developers, and data scientists.

### **MySQL to DB2 Conversion Guide**

Including problem-solving techniques and examples, a manual offers a hands-on method to developing Internet applications compatible with Oracle's Web Application Server, featuring extensive programming code demonstrating the use of Oracle's development tools. Original. (Advanced).

### **Expert One-on-One Oracle**

### **High-Performance Oracle**

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.

### **Effective Oracle by Design**

Get a Jump Start on working with MySQL today!  
MySQL is an extremely popular open source relational database management system that that powers many of the applications on the Web. Discover why MySQL's speed, ease of use, and flexibility make it the database of choice for so many developers. In just one weekend with this hands-on tutorial, you'll learn how to: Get started with MySQL Store, modify, and retrieve data Work with multiple tables Connect to your database through code Program the database Back up your data

### **bookdown**

An expert guide to Ruby, a popular new Object-Oriented Programming Language Ruby is quickly becoming a favourite among developers who need a simple, straight forward, portable programming language. Ruby is ideal for quick and easy object-oriented programming such as processing text files or performing system management. Having been compared with other programming languages such as Perl, Python, PCL, Java, Eiffel, and C++; Ruby is popular because of its straight forward syntax and transparent semantics. Using step-by-step examples and real world applications, the Ruby Developer's Guide is designed for programmers and developer's looking to embrace the object-oriented features and functionality of this robust programming language. Readers will learn how to develop, implement, organize and deploy applications using Ruby. Ruby is

currently experiencing a rapid rise in popularity in the object-oriented programming community Readers receive up-to-the minute links, white papers, and analysis for two years at solutions@syngress.com Comes with a wallet-sized CD containing a printable HTML version of the book, all of the source code examples and demos of popular Ruby third-party programming tools and applications

### **The Software Encyclopedia 2000**

Why learn R? Because it's rapidly becoming the standard for developing statistical software. R in a Nutshell provides a quick and practical way to learn this increasingly popular open source language and environment. You'll not only learn how to program in R, but also how to find the right user-contributed R packages for statistical modeling, visualization, and bioinformatics. The author introduces you to the R environment, including the R graphical user interface and console, and takes you through the fundamentals of the object-oriented R language. Then, through a variety of practical examples from medicine, business, and sports, you'll learn how you can use this remarkable tool to solve your own data analysis problems. Understand the basics of the language, including the nature of R objects Learn how to write R functions and build your own packages Work with data through visualization, statistical analysis, and other methods Explore the wealth of packages contributed by the R community Become familiar with the lattice graphics package for high-level data visualization Learn about bioinformatics packages

provided by Bioconductor "I am excited about this book. R in a Nutshell is a great introduction to R, as well as a comprehensive reference for using R in data analytics and visualization. Adler provides 'real world' examples, practical advice, and scripts, making it accessible to anyone working with data, not just professional statisticians."

### **Mastering Oracle SQL**

Learn to build and implement a robust Oracle E-Business Suite system using the new release, EBS 12.2. This hands-on, real-world guide explains the rationale for using an Oracle E-Business Suite environment in a business enterprise and covers the major technology stack changes from EBS version 11i through R12.2. You will learn to build up an EBS environment from a simple single-node installation to a complex multi-node high available setup. Practical Oracle E-Business Suite focuses on release R12.2, but key areas in R12.1 are also covered wherever necessary. Detailed instructions are provided for the installation of EBS R12.2 in single and multi-node configurations, the logic and methodology used in EBS patching, and cloning of EBS single-node and complex multi-node environments configured with RAC. This book also provides information on FMW used in EBS 12.2, as well as performance tuning and EBS 12.2 on engineered system implementations. What You Will Learn:  
• Understand Oracle EBS software and the underlying technology stack components  
• Install/configure Oracle E-Business Suite R12.2 in simple and HA complex

setups  
liliManage Oracle EBS 12.2  
liliUse online patching (adop) for Installation of Oracle EBS patches  
liliClone an EBS environment in simple and complex configurations  
liliPerform and tune Oracle EBS in all layers (Application/DB/OS/NW)  
liliSecure E-Business Suite R12.2  
li/ul/div  
rbWho This Book Is For:  
/bp/pp/pp/pp/pp/pp/p Developers, data architects, and data scientists looking to integrate the most successful big data open stack architecture and how to choose the correct technology in every layer

### **Ruby Developers Guide**

Presents instructions on using MySQL, covering such topics as installation, querying, user management, security, and backups and recovery.

### **The Definitive Guide to SQLite**

A handy reference guide explaining core concepts of Oracle HCM Cloud Application. All the worked out examples have been performed in a SaaS Deployment but very well applies for an On-Premise or Hybrid Deployment Model too. Topics include HCM Data Loader, HCM Spreadsheet Data Loader, HCM Extracts, BI Publisher Reports, OTBI Analysis, Web-Services, Developer Connect, Functional Setup Manager, Personalization, Customization, Absence Management, Fast Formulas, Scheduled Processes, Value-Sets, Profile Options, Lookups, Approval Workflows, Notifications, Rest API

### **The Developer's Guide to Oracle Web**

### **Application Server 3**

Explores Oracle's implementation of SQL and explains how to perform tasks including querying time-based data, implementing conditional logic in queries, writing queries, and joining data from two or more tables.

### **Practical mod\_perl**

Perl is a very powerful tool for Oracle database administrators, but too few DBAs realize how helpful Perl can be in managing, monitoring, and tuning Oracle databases. Whether you're responsible for Oracle9i, Oracle8i, or earlier databases, you'll find Perl an invaluable addition to your database administration arsenal. You don't need to be a Perl expert to use the excellent applications and scripts described in Perl for Oracle DBAs. The book explains what you need to know about Perl, provides a wealth of ready-to-use scripts developed especially for Oracle DBAs, and suggests many resources for further exploration. The book covers: The Perl language -- an introduction to Perl, its rich history and culture, and its extensive text processing and data transformation capabilities. The Perl/Oracle architecture -- Detailed information about Perl DBI, DBD::Oracle, the Oracle Call Interface (OCI), Oracle::OCI, extproc\_perl, and mod\_perl, the modules that allow Perl programs to communicate with Oracle databases. Perl applications for Oracle DBAs -- Profiles of the best Perl open source applications available for use and customization by Oracle DBAs: Perl/Tk, OraExplain, StatsView, Orac,

DDL::Oracle, SchemaDiff, Senora, DBD::Chart, SchemaView-Plus, Oracletool, Karma, Embperl, and Mason. The Perl Database Administration (PDBA) Toolkit -- a comprehensive suite of specialized, ready-to-use scripts designed to help Oracle DBAs perform both routine and special-purpose administrative tasks: monitoring the Oracle alert log and databases, creating and managing Oracle user accounts, maintaining indexes and extents, extracting DDL and data, troubleshooting and tuning database problems, and much more. The book also explains how Oracle DBAs and developers can extend the toolkit and solve their own database administration problems using Perl.

### **Practical Oracle E-Business Suite**

Outside of the world of enterprise computing, there is one database that enables a huge range of software and hardware to flex relational database capabilities, without the baggage and cost of traditional database management systems. That database is SQLite—an embeddable database with an amazingly small footprint, yet able to handle databases of enormous size. SQLite comes equipped with an array of powerful features available through a host of programming and development environments. It is supported by languages such as C, Java, Perl, PHP, Python, Ruby, TCL, and more. The Definitive Guide to SQLite, Second Edition is devoted to complete coverage of the latest version of this powerful database. It offers a thorough overview of SQLite's capabilities and APIs. The book also uses SQLite as the basis for helping

newcomers make their first foray into database development. In only a short time you can be writing programs as diverse as a server-side browser plug-in or the next great iPhone or Android application! Learn about SQLite extensions for C, Java, Perl, PHP, Python, Ruby, and Tcl. Get solid coverage of SQLite internals. Explore developing iOS (iPhone) and Android applications with SQLite. SQLite is the solution chosen for thousands of products around the world, from mobile phones and GPS devices to set-top boxes and web browsers. You almost certainly use SQLite every day without even realizing it!

### **Oracle Discoverer 10g Handbook**

Tom Kyte of Oracle Magazine's "Ask Tom" column has written the definitive guide to designing and building high-performance, scalable Oracle applications. The book covers schema design, SQL and PL/SQL, tables and indexes, and much more. From the exclusive publisher of Oracle Press books, this is a must-have resource for all Oracle developers and DBAs.

### **Expert Oracle Enterprise Manager 12c**

R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the

simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Golemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

## **MySQL Stored Procedure Programming**

Generate detailed reports that will give your company

the competitive edge Put essential information in the hands of end-users across your organization using Oracle Business Intelligence Discoverer 10g and the comprehensive information contained in this Oracle Press guide. You'll learn, step-by-step, how to query databases and warehouses, format the results, and distribute dynamic, Web-enabled reports. All features are covered in full detail, including OracleBI Discoverer Desktop, Workbook Wizard, Plus, Viewer, Discoverer Administrator, Portlet Provider, OLAP, and Enterprise Manager. Real-world case studies and tutorials illustrate all of the analysis, security, and reporting capabilities of Oracle Discoverer 10g. Set up, configure, and manage Oracle Business Intelligence Discoverer 10g Perform ad hoc and fixed queries using the Workbook Wizard Integrate sorts, calculations, percentages, and parameters using Discoverer Plus Create reports with graphs, tables, titles, headers, footers, and margins Use Discoverer Viewer to review, format, export, email, and print reports Refine queries using interactive pivoting, drilling, and Hyper Drilling Control OLAP workbooks using the Discoverer Catalog and Oracle Enterprise Manager Establish access and sharing rights, and scheduling privileges with Discoverer Administrator Set up and use Portal using Discoverer Portlet Provider and Portlets Implement query shortcuts, cascading parameters and advanced analytic calculations using templates

## **Oracle Database 12c Release 2 Multitenant**

Master the Powerful Multitenant Features of Oracle Database 12c Govern a scalable, extensible, and highly available enterprise database environment using the practical information contained in this Oracle Press guide. Written by a team of Oracle Masters, Oracle Database 12c Release 2 Multitenant shows, step-by-step, how to deploy and manage multitenant configurations across IT frameworks of all types and sizes. Find out how to create databases, work with PDBs and CDBs, administer Oracle Net Services, and automate administrative tasks. Backup and recovery, security, and advanced multitenant options are covered in complete detail. Learn how to:

- Build high-performance multitenant Oracle databases
- Create single-tenant, multitenant, and application containers
- Establish network connections and manage services
- Handle security using authentication, authorization, and encryption
- Back up and restore your mission-critical data
- Work with point-in-time recovery and Oracle Flashback
- Move data and replicate and clone databases
- Work with Oracle's Resource Manager and Data Guard

### **Oracle Big Data Handbook**

L'une des grandes forces du langage Perl est sa capacité à manipuler de gros volumes de données. La programmation des bases de données y trouve donc naturellement sa place, que ce soit pour des applications de commerce électronique, des applications web utilisant CGI ou des applications Intranet. DBI est une interface essentielle pour la programmation des bases de données avec Perl. C'est

un paquetage indépendant des bases de données, offrant un ensemble cohérent de fonctions quelle que soit la base de données utilisée : Oracle, Sybase, Ingres, Informix, MySQL, PostgreSQL. DBI sépare les pilotes dédiés à chaque base de données (DBD) de l'API de programmation : tout programme DBI peut donc fonctionner avec n'importe quelle base de données, voire avec différentes bases simultanément. Pour le profane, ce livre décrit l'architecture de DBI et explique comment écrire des programmes. Pour l'expert, il explore les nuances de DBI et les particularités de chaque DBD. Vous apprendrez dans ce livre : • comment est conçu DBI et comment il fonctionne ; • comment construire des requêtes et lier des paramètres ; • comment travailler avec les descripteurs de bases de données, de pilotes et d'instructions ; • comment détecter les erreurs dans vos programmes ; • comment utiliser tous les DBD existants. Cet ouvrage contient également une référence complète de DBI.

### **Oracle PL/SQL Programming**

One of the greatest strengths of the Perl programming language is its ability to manipulate large amounts of data. Database programming is therefore a natural fit for Perl, not only for business applications but also for CGI-based web and intranet applications. The primary interface for database programming in Perl is DBI. DBI is a database-independent package that provides a consistent set of routines regardless of what database product you use--Oracle, Sybase, Ingres, Informix, you name it.

The design of DBI is to separate the actual database drivers (DBDs) from the programmer's API, so any DBI program can work with any database, or even with multiple databases by different vendors simultaneously. Programming the Perl DBI is coauthored by Alligator Descartes, one of the most active members of the DBI community, and by Tim Bunce, the inventor of DBI. For the uninitiated, the book explains the architecture of DBI and shows you how to write DBI-based programs. For the experienced DBI dabbler, this book reveals DBI's nuances and the peculiarities of each individual DBD. The book includes:

- An introduction to DBI and its design
- How to construct queries and bind parameters
- Working with database, driver, and statement handles
- Debugging techniques
- Coverage of each existing DBD

A complete reference to DBI This is the definitive book for database programming in Perl.

## **The Definitive Guide to Jython**

Learn how to transition from Excel-based business intelligence (BI) analysis to enterprise stacks of open-source BI tools. Select and implement the best free and freemium open-source BI tools for your company's needs and design, implement, and integrate BI automation across the full stack using agile methodologies. Business Intelligence Tools for Small Companies provides hands-on demonstrations of open-source tools suitable for the BI requirements of small businesses. The authors draw on their deep experience as BI consultants, developers, and administrators to guide you through the extract-

transform-load/data warehousing (ETL/DWH) sequence of extracting data from an enterprise resource planning (ERP) database freely available on the Internet, transforming the data, manipulating them, and loading them into a relational database. The authors demonstrate how to extract, report, and dashboard key performance indicators (KPIs) in a visually appealing format from the relational database management system (RDBMS). They model the selection and implementation of free and freemium tools such as Pentaho Data Integrator and Talend for ELT, Oracle XE and MySQL/MariaDB for RDBMS, and QlikSense, Power BI, and MicroStrategy Desktop for reporting. This richly illustrated guide models the deployment of a small company BI stack on an inexpensive cloud platform such as AWS. What You'll Learn You will learn how to manage, integrate, and automate the processes of BI by selecting and implementing tools to: Implement and manage the business intelligence/data warehousing (BI/DWH) infrastructure Extract data from any enterprise resource planning (ERP) tool Process and integrate BI data using open-source extract-transform-load (ETL) tools Query, report, and analyze BI data using open-source visualization and dashboard tools Use a MOLAP tool to define next year's budget, integrating real data with target scenarios Deploy BI solutions and big data experiments inexpensively on cloud platforms Who This Book Is For Engineers, DBAs, analysts, consultants, and managers at small companies with limited resources but whose BI requirements have outgrown the limitations of Excel spreadsheets; personnel in mid-sized companies with established BI systems who are exploring technological updates and

more cost-efficient solutions

### **Perl for Oracle DBAs**

Jython is an open source implementation of the high-level, dynamic, object-oriented scripting language Python seamlessly integrated with the Java platform. The predecessor to Jython, JPython, is certified as 100% Pure Java. Jython is freely available for both commercial and noncommercial use and is distributed with source code. Jython is complementary to Java. The Definitive Guide to Jython, written by the official Jython team leads, covers Jython 2.5 (or 2.5.x)—from the basics to more advanced features. This book begins with a brief introduction to the language and then journeys through Jython's different features and uses. The Definitive Guide to Jython is organized for beginners as well as advanced users of the language. The book provides a general overview of the Jython language itself, but it also includes intermediate and advanced topics regarding database, web, and graphical user interface (GUI) applications; Web services/SOA; and integration, concurrency, and parallelism, to name a few.

### **Database Administration**

A thorough reference on database administration outlines a variety of DBA roles and responsibilities and discusses such topics as data modeling and normalization, database/application design, change management, database security and data integrity, performance issues, disaster planning, and other

essentials. Original. (Advanced)

## **R in a Nutshell**

### **Perl DBI**

mod\_perl embeds the popular programming language Perl in the Apache web server, giving rise to a fast and powerful web programming environment.

Practical mod\_perl is the definitive book on how to use, optimize, and troubleshoot mod\_perl. New mod\_perl users will learn how to quickly and easily get mod\_perl compiled and installed. But the primary purpose of this book is to show you how to take full advantage of mod\_perl: how to make a mod\_perl-enabled Web site as fast, flexible, and easily-maintainable as possible. The authors draw from their own personal experience in the field, as well as the combined experience of the mod\_perl community, to present a rich and complete picture of how to set up and maintain a successful mod\_perl site. This book is also the first book to cover the "next generation" of mod\_perl: mod\_perl 2.0, a completely rewritten version of mod\_perl designed for integration with Apache 2.0, which for the first time supports threads. The book covers the following topics, and more:

- Configuring mod\_perl optimally for your web site
- Porting and optimizing programs for a mod\_perl environment
- Performance tuning: getting the very fastest performance from your site
- Controlling and monitoring the server to circumvent crashes and clogs
- Integrating with databases efficiently and

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painlessly Debugging tips and tricks Maximizing security Written for Perl web developers and web administrators, Practical mod\_perl is an extensive guide to the nuts and bolts of the powerful and popular combination of Apache and mod\_perl. From writing and debugging scripts to keeping your server running without failures, the techniques in this book will help you squeeze every ounce of power out of your server. True to its title, this is the practical guide to mod\_perl.

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