

Oracle DbA Tutorial For Dummies

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Oracle 11g DBA for Beginners - Arun Kumar
2019-10-16

Learn the RDBMS concepts, database installation, and oracle database administration using different tools and utilities that will help you to administer, monitor any production database. Build strong foundation in database administration with this tutorial for absolute beginners Oracle database installation User connectivity and SQL execution Oracle database architecture Manual database creation Tablespace and user administration Oracle networking and utilities Oracle DBA is one of the highly stable jobs! Database Administrator is one of the highly sought after jobs in the IT industry. It is also one of the highly stable jobs as DATA is a vital part of every organization and they need that to be in the capable hands of a good DBA!

Oracle Applications DBA - Joyjeet Banerjee
2008

Oracle DBA - Melanie Caffrey 2001
Introduction The Oracle DBA Interactive Workbook presents an introduction to Oracle database administration in a unique and highly effective format. It is organized more like a teaching aid than a reference manual in that to learn basic administration techniques, you are challenged to work through a set of guided tasks rather than to read through descriptions. There is a list of additional reading material in Appendix B that you can reference if you wish to delve deeper into any of the topics covered in this book. This book is intended for beginners in the world of Oracle database administration. It

will take you through a set of tasks, starting with creating a database to using some of the Oracle database tuning, and backup and recovery utilities. Those experienced with Oracle databases will recognize that a workbook covering the topic of database administration will be an extremely useful introduction for the beginner, but it cannot be used as a deep study of the Oracle database environment. After working through this book, you will have been launched into the exciting and interesting (sometimes nerve-racking) world of database administration, but it will take years of experience to become a senior database administrator. Who this book is for This book is intended for anyone who needs a quick and detailed introduction to Oracle database administration tasks. It is not the intention of this book to provide an in-depth study of the Oracle database server. The foundation for this book was developed to supplement the Introduction to Oracle Database Administration class in the Database Track at Columbia University's Computer Technology and Applications (CTA) program in New York City. The book's sidebars and answers often reflect questions that students have asked in class. The student body entering the CTA program range from those who have years of experience in the IT field but no experience with Oracle, to those with absolutely no experience in IT and even no experience with PCs. The Introduction to Oracle Database Administration class is offered as an elective in the fourth and final term of the CTA program's curriculum. So, while it is geared for beginners with little or no previous experience

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with Oracle database administration, it is expected that the reader will have some experience working with an Oracle database. The reader should be comfortable with relational database concepts as well as SQL. If you are unfamiliar with any of these subjects, refer to the Oracle SQL Interactive Workbook in the Prentice Hall Oracle Interactive Workbook series. What you'll need There are software as well as knowledge requirements necessary to complete the exercise sections of the workbook. Software Oracle 7.3.4, 8.0, or 8i. Access to the WWW. Note that prior to beginning the workbook labs, you should already have installed the Oracle Server software (it will make it easier to get through the labs if you do not install the default database, however) and the Net8 or SQL*Net components. Since the instructions vary greatly depending on the platform, you should consult your Oracle documentation (Installation Guide and Getting Started) for installation information. Oracle 7.3.4, 8.0, or 8i You can use either Oracle Standard Edition or Oracle Enterprise Edition. Since you will be performing actions that may affect other databases, you should not work through the tasks in this book in an environment where there are critical data, programs, etc.! Since Oracle frequently improves and changes its products, new versions are released all the time. However, the concepts covered in this book are fundamental to the Oracle RDBMS (hereafter called the Oracle Server) and are unlikely to change significantly in the near future. Even if your version of the database is slightly different than the one listed here, you should still be able to make use of this book. The tasks and descriptions represent core issues of Oracle Server architecture and are therefore universal to all three versions of the Oracle Server. There are occasional notes to point out a specific issue regarding a specific version. Additionally, you should be familiar with SQL*Plus, the tool supplied with the database to interact with it in a command-line fashion. Access to the WWW You will need access to the Internet and the WWW so that you can access the companion Web site for this book through--
<http://www.phptr.com/scherer> Here you will find the files that are necessary for completing the exercises. Knowledge To complete the exercises,

you should be familiar with relational database concepts and understand what an Entity Relationship Diagram is. You should also be comfortable using SQL to access and manipulate database objects such as tables, constraints, sequences, and so on. If you are not familiar or comfortable with these subjects, then it is recommended that you refer to the Oracle SQL Interactive Workbook in the Prentice Hall Oracle Interactive Workbook series. You should also feel comfortable working in your operating system's command-line environment. How this Book Is Organized The intent of this workbook is to teach you about Oracle database administration by presenting you with a series of tasks and challenges, followed by detailed solutions to those challenges. At times, an individual task acts as a complete unit of work, while other tasks are developed through a series of simple actions. Each chapter has a series of labs that introduce topics. The labs are composed of tasks, which are typical to the daily work of a database administrator. Beyond the labs, topics are further explored through questions and answers. What follows is the common layout of the chapters: Chapter Objectives A list of subjects the chapter will cover. Chapter Text An overview of chapter subjects. Lab Objectives A list of subjects the lab will cover. Lab Text An introduction to the lab subject, occasionally including steps that prepare the Oracle Server for the exercises. Exercises Questions that require hands-on interaction with the Oracle Server. The exercises will guide you through learning the subject introduced in the lab text. Exercise Answers Answers and discussion of the exercise subject. Self-Review Questions Multiple-choice questions to review lab material. Test Your Thinking Project questions to supplement the lab material. Depending on the breadth of the subject, a given chapter may have more than one lab, and a given lab may have more than one set of exercises. The exercises are not meant to be closed-book quizzes to test your knowledge. On the contrary, they are intended to act as your guide and walk you through a task. You are encouraged to flip back and forth from the question section to the answer section so that, if need be, you can read the discussions as you go along. The chapters and their exercises must be

completed in sequence as the material in later chapters builds on what is presented earlier. Chapter 1, "The Database Administrator's Job," introduces you to the world of database administration. Chapter 2, "Creating Your Database," walks you through the steps of manually creating your own database. Chapter 3, "Oracle Networking: Configuring Basic Net8/SQL*Net Components," guides you through setting up the components necessary for remote users to connect to your database over a network. Chapter 4, "Tablespaces," teaches you how to create and manipulate tablespaces, and introduces you to logical storage constructs. Chapter 5, "Segments and Extents," provides a more in-depth look at these higher level logical storage constructs, which were introduced in Chapter 4. Chapter 6, "Data Blocks," examines data blocks, the smallest unit of Oracle storage. Chapter 7, "Redo Logs," teaches you the basics of how redo logs operate and how they are written to. Chapter 8, "Datafiles," describes how to view information about and manipulate datafiles. Chapter 9, "User Creation," teaches you how to create and alter user accounts. Chapter 10, "Privilege and Resource Groups," introduces you to the concepts and effects of privileges, roles, and resource limits and shows you how to assign them to user accounts. Chapter 11, "Auditing," examines Oracle's mechanism for recording different types of database activity for purposes of maintaining database security and/or keeping records of billable activity. Chapter 12, "Rollback Segments," presents a study of the use and operation of rollback segments and how they provide an Oracle database with read-consistency and "undo" information. Chapter 13, "Locking," guides you through exercises that demonstrate the importance of Oracle locking mechanisms and introduces you to the concepts of data "consistency" and "concurrency." Chapter 14, "Logical Backup and Recovery," covers logical data backups and recoveries using the Oracle-provided import (IMP) and export (EXP) utilities. Chapter 15, "Physical Backup and Recovery," teaches you about different types of database failures, walks you through a simulation of a physical database failure and recovery, and explains the importance of archiving your redo log files. Chapter 16,

"Application and SQL Optimization," provides a look at optimizing standalone and application SQL code through Oracle-provided facilities such as AUTOTRACE, SQLTRACE, and TKPROF. Chapter 17, "Database Tuning and Optimization," presents an introductory look at the other side of tuning an Oracle database by showing you how to gather information about and, if necessary, tune your memory and disk I/O through the use of the Oracle-provided utilities, UTLBTAT.SQL and UTLESTAT.SQL. About the companion web site The companion Web site is located at <http://www.phptr.com/scherer> Here you will find two very important items: Files you will download for specific tasks in the workbook. Answers to the Test Your Thinking questions. Also, check the Web site for periodically updated information about the book. IMPORTANT notes about COMPLETING THE exercises Complete the chapters and exercises in the order they're given. If the labs, exercises, and steps are not done in their proper sequence, you may have to start from the first chapter and work your way back into the material. This is similar to performing these tasks in a real-world environment. Database administration is less forgiving than application coding. In database administration, you cannot simply recompile your code and try the application again. If you leave out a step, you may lose a portion of the database in a way that is unrecoverable--losing your work. The only exception to this is Chapter 3, "Oracle Networking: Configuring Basic Net8/SQL*Net Components," which can be completed after all of the other chapters. In Chapter 2, you will learn about the command SHUTDOWN IMMEDIATE. After successfully completing Chapter 2, you should, from then on perform a SHUTDOWN IMMEDIATE on your database before rebooting or shutting down your computer. For Chapters 2, 3, 13, 15, and 17, you should allocate enough time to finish from beginning to end. It can take from 45 minutes to a couple of hours to complete the exercises in each chapter. The other chapters will flow better if you complete them in one sitting, but it is not as critical to your database if you are unable to do so. Check off the steps as you complete them. The most frequent error students make in the CTA course is not following each step, no matter how insignificant it seems. Learn to walk before

you run. If you think there's a better way to accomplish an activity, don't try it out until you've completed the entire Oracle DBA Interactive Workbook. Some of the steps are in the text and some are explicitly in the exercises. If you check off each step as you go along, you will be more inclined to perform each task, and will have a way to trace whether you've missed a step if you run into trouble. The questions require you to think like an Oracle DBA. For example, you may be asked to look into an Oracle-provided script and report what you think it will do based on the information in the script. In another example, you may perform an exercise to make the database freeze. You're then asked to figure out what the problem is and what the next step should be to fix the problem, based on the knowledge that you've gained by that point in the book. Of course, the solution is given to you, but do your best to consider the problem before reading the provided answer. In either case, make your solution to the problem fall within the scope of the problem set in the chapter. This will be good practice for your work as a DBA, when you will be required to stay focused under pressure. For those completing the tasks in Windows, you should have administrative rights to the machine where the database is located.

Linux Recipes for Oracle DBAs - Darl Kuhn
2008-11-21

Linux Recipes for Oracle DBAs is an example-based book on managing Oracle Database in a Linux environment. Covering commonly used distributions such as Red Hat Enterprise Linux and Oracle Enterprise Linux, the book is written for database administrators who need to get work done and lack the luxury of curling up fireside with a stack of Linux documentation. The book is task-oriented: Look up the task to perform. See the solution. Read up on the details. Get the job done. Takes you directly from problem to solution Covers the "right" mix of Linux user and administration tasks for database administrators Respects your time by being succinct and to-the-point What you'll learn Execute Linux commands applicable to Oracle Database administration. Write shell scripts to automate critical DBA tasks. Monitor, tune, and optimize a Linux server to run Oracle Database. Perform Linux system administration

tasks relevant to Oracle Database. Implement Oracle real application clusters on Linux. Implement Oracle automatic storage management on Linux. Remotely (and securely!) manage Oracle on Linux. Who this book is for Linux Recipes for Oracle DBAs is a book for Oracle database administrators who want to expertly operate Oracle databases on the Linux operating system. If you're new to Linux, or are migrating from a Unix platform, or just want detailed solutions for tasks that Oracle DBAs perform on Linux servers, this book is for you.

Oracle PL / SQL For Dummies - Michael Rosenblum 2011-02-23

Find tips for creating efficient PL/SQL code If you know a bit about SQL, this book will make PL/SQL programming painless! The Oracle has spoken—you need to get up to speed on PL/SQL programming, right? We predict it'll be a breeze with this book! You'll find out about code structures, best practices, and code naming standards, how to use conditions and loops, where to place PL/SQL code in system projects, ways to manipulate data, and more. Discover how to Write efficient, easy-to-maintain code Test and debug PL/SQL routines Integrate SQL and PL/SQL Apply PL/SQL best practices Use new features introduced in Oracle 9i and 10g
Oracle DBA Startup-Guide - Chanchal Wankhade
2014-07-17

Book for Oracle DBA's.

Just Relax DBA - Arun Kumar Kubendiran
2019-12-20

Just Relax DBA helps beginners learn Oracle DBA by providing tips, tricks, and techniques from experts. Don't worry if you are just a beginner or a trainee. With dedicated chapters for every area of Database administration, this book will help you grasp the nuances in no time and makes understanding administration easier. - Save a lot of time by optimizing everyday tasks using simple tricks in DBA - Identify the ideal way of performing a task to save time and effort on hectic jobs - Helps DBA trainee to understand the analysis of issues - 'Best Practices' and 'Dos and Don'ts' sections to help handle any activity in DBA "This book is one of its kinds of guide, contains many DBA topics and should be in the hands of all aspiring DBAs. All chapters are explained in simple language with step by step instructions that helps readers to understand the

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concepts quickly in an easy way. - Muthuselvam Ramalingam, Program Manager, US Fed gov Agency

Oracle Essentials - Rick Greenwald 2013-09-06
Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle Database into one compact volume. Ideal for novice and experienced DBAs, developers, managers, and users, *Oracle Essentials* walks you through technologies and features in Oracle's product line, including its architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. *Oracle Essentials* provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management, including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions
Secrets of the Oracle Database - Norbert Debes 2010-08-03

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.

Beginning Oracle SQL for Oracle Database 18c - Ben Brumm 2019-08-05

Start developing with Oracle SQL. This book is a one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of *Beginning Oracle SQL for Oracle Database 18c* is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15-20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of

database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful.

Microsoft SQL Server 2019: A Beginner's Guide, Seventh Edition - Dusan Petkovic

2020-01-03

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Get Up to Speed on Microsoft® SQL Server® 2019 Quickly and Easily Start working with Microsoft SQL Server 2019 in no time with help from this thoroughly revised, practical resource. Filled with real-world examples and hands-on exercises, Microsoft SQL Server 2019: A Beginner's Guide, Seventh Edition starts by explaining fundamental relational database system concepts. From there, you'll learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and use powerful analysis and reporting tools. New topics such as SQL and JSON support, graph databases, and support for machine learning with R and Python are also covered in this step-by-step tutorial.

- Install, configure, and customize Microsoft SQL Server 2019
- Create and modify database objects with Transact-SQL statements
- Write stored procedures and user-defined functions
- Handle backup and recovery, and automate administrative tasks
- Tune your database system for optimal availability and reliability
- Secure your system using authentication, encryption, and authorization
- Work with SQL Server Analysis Services, Reporting Services, and other BI tools
- Gain knowledge of relational storage, presentation, and retrieval of data stored in the JSON format
- Manage graphs using SQL Server Graph Databases
- Learn about machine learning support for R and Python

Oracle PL/SQL Programming - Steven Feuerstein 2002

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

Oracle Database Administration on UNIX Systems - Lynnwood Brown 1997

The accompanying CD-ROM includes a multimedia installation and configuration tutorial based on Brown's popular UC Berkeley Extension Oracle course. It's HTML-based and viewable with any Web browser.

Oracle9i RMAN Backup & Recovery - Robert G. Freeman 2002

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. From the exclusive publishers of Oracle Press Books, here is the only book available offering complete coverage of RMAN (Recovery Manager), Oracle's free backup and recovery technology. An indispensable resource for new Oracle users, database administrators, and system administrators.

Oracle DBA on Unix and Linux - Michael Wessler 2002

Maintain a robust, mission-critical Oracle8i database. This book provides administrative solutions for the day-to-day DBA. You'll learn how to install the database for maximum efficiency, upgrades, patches, migrations, tune, and maintain its security. The book also explains in detail how to build and support a fully functioning Oracle database. This authoritative text contains up-to-date information available on Oracle's latest release and shows you how to: configure database architecture; install and set up with UNIX requirements; create the actual database with scripts; GUI management produc.

Oracle RMAN for Absolute Beginners - Darl Kuhn 2014-11-05

Oracle RMAN for Absolute Beginners is a gentle introduction to the use of Oracle's Recovery Manager software to make backups of an Oracle database, and to restore all or part of a database in the event that data loss occurs. It is often said that a database administrator's #1 job responsibility is to be able to recover from data loss. If you're new to the Oracle platform, or you're new to database administration in general, you can hardly go wrong by making it your first priority to learn to backup and recover the database that has been entrusted into your hands. This book is short and sweet at just 200 pages. Focus lies on the mainstream use cases. Recovery Manager, or RMAN as it is called, is a powerful and complex tool that can be

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intimidating at first. Author Darl Kuhn understands the need to focus on the core use cases, building your confidence in the tool, and in your ability to recover from lost database files, and even to recover your entire database should that become necessary. Oracle RMAN for Absolute Beginners shows how to backup your database. That's the first job. You'll learn to backup the entire database, and to create incremental backups that in turn can speed restore and recovery operations. Then you'll learn to recover from lost data files, lost redo log files, lost control files, and even to restore the entire database from scratch. You'll even learn how to clone a database for development and test purposes by backing the database up on one system and restoring it onto another. Author Darl Kuhn has a decade and a half of experience in writing about, and teaching Oracle Database backup and recovery. If you are newly responsible for an Oracle Database, you can hardly do better than to pick up a copy of Oracle RMAN for Absolute Beginners.

Oracle Rac Performance Tuning - Brian Peasland 2015-01-25

This book is the first of its kind, a book dedicated to tuning the Oracle high availability RAC architecture. Oracle RAC databases are flexible and robust, and along with this flexibility comes complexity, making RAC tuning one of the most challenging areas of Oracle tuning. Packed with incisive insights and examples from one of America's leading RAC experts, guru Brian Peasland delivers an indispensable book for all RAC administrators 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 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 valuable to all Oracle professionals who must tune their Oracle RAC systems for peak performance. Similar to tuning Oracle database systems in general, Oracle RAC performance tuning covers a wide variety of focus areas. Topics will include Oracle wait events specific to RAC deployments, using Oracle Enterprise Manager Grid Control and AWR in diagnosing RAC problems, and RAC utilities such as OS Watcher and ORAchk (formerly RACcheck). This book will also discuss

architecture issues related RAC performance, delving into the cluster interconnect, physical disk layout and Oracle 12c new Flex Clusters. Oracle RAC also allows the workload the spread among several low cost servers (scale-out) rather than a large single server (scale-up), and this book examines these approaches from a tuning perspective. Many companies are working towards private cloud implementations using RAC, and this book is perfect for the DBA's charged with . Oracle 12c RAC raises the bar with its new multi-tenant database implementation. Think of multi-tenant as virtualization at the database level. As more companies start leveraging Oracle 12c RAC for their enterprise database architecture, it is important that the system be designed and tuned properly to ensure the application has a well-performing user experience. 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 the market devote only one chapter to performance tuning. The information in this book provides a solid foundation for one's first RAC deployment, and provide you with the tools and methods needed to keep your complex RAC systems running optimally. While this book is not for beginners, the reader is given sufficient background throughout the chapters so that most Oracle DBAs, even those with little Oracle RAC experience, will be able to understand its contents. Oracle RAC is inherently complex. This explains the concepts before delving into highly technical 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.

Toad for Oracle Unleashed - Bert Scalzo 2015-06-29

Bert Scalzo and Dan Hotka have written the definitive, up-to-date guide to Version 12.x, Dell's powerful new release of Toad for Oracle. Packed with step-by-step recipes, detailed screen shots, and hands-on exercises, Toad for Oracle Unleashed shows both developers and DBAs how to maximize their productivity. Drawing on their unsurpassed experience running Toad in production Oracle environments, Scalzo and Hotka thoroughly cover every area of Toad's functionality. You'll

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find practical insights into each of Toad's most useful tools, from App Designer to Doc Generator, ER Diagrammer to Code Road Map. The authors offer proven solutions you can apply immediately to solve a wide variety of problems, from maintaining code integrity to automating performance and scalability testing. Learn how to... Install and launch Toad, connect to a database, and explore Toad's new features Customize Toad to optimize productivity in your environment Use the Editor Window to execute SQL and PL/SQL, and view, save, or convert data Browse your schema, and create and edit objects Quickly generate useful reports with FastReport and Report Manager Clarify your database's tables and data with the powerful Entity Relationship Diagrammer (ERD) and HTML documentation generator Work more efficiently with PL/SQL using code templates, snippets, and shortcuts Automate actions and applications with Automation Designer Perform key DBA tasks including database health checks, tablespace management, database and schema comparisons, and object rebuilding Identify and optimize poorly performing SQL and applications

ON THE WEB: Download all examples and source code presented in this book from informit.com/title/9780134131856 as it becomes available.

Oracle PL/SQL Best Practices - Steven Feuerstein 2001-04-09

In this book, Steven Feuerstein, widely recognized as one of the world's experts on the Oracle PL/SQL language, distills his many years of programming, writing, and teaching about PL/SQL into a set of PL/SQL language "best practices"--rules for writing code that is readable, maintainable, and efficient. Too often, developers focus on simply writing programs that run without errors--and ignore the impact of poorly written code upon both system performance and their ability (and their colleagues' ability) to maintain that code over time. Oracle PL/SQL Best Practices is a concise, easy-to-use reference to Feuerstein's recommendations for excellent PL/SQL coding. It answers the kinds of questions PL/SQL developers most frequently ask about their code: How should I format my code? What naming conventions, if any, should I use? How can I write my packages so they can be more easily

maintained? What is the most efficient way to query information from the database? How can I get all the developers on my team to handle errors the same way? The book contains 120 best practices, divided by topic area. It's full of advice on the program development process, coding style, writing SQL in PL/SQL, data structures, control structures, exception handling, program and package construction, and built-in packages. It also contains a handy, pull-out quick reference card. As a helpful supplement to the text, code examples demonstrating each of the best practices are available on the O'Reilly web site. Oracle PL/SQL Best Practices is intended as a companion to O'Reilly's larger Oracle PL/SQL books. It's a compact, readable reference that you'll turn to again and again--a book that no serious developer can afford to be without.

Effective Oracle by Design - Thomas Kyte 2003-09-12

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.

Oracle BI 11g - Sideris Courseware Corp 2012
This textbook offers an exhaustive, step-by-step guide through the powerful features of the Oracle Business Intelligence (BI) product suite. One will learn the concepts, methods and techniques for building sophisticated data analytic modules. Analytic results are then organized into interactive dashboards. A solid foundation is laid for one to progress onto the latest and most advanced data analytic capabilities. The following specific topics are included in this guide book: Background discussion of data warehousing, business intelligence (BI) and data analytics presented in a form that business professionals can readily understand; Background concepts regarding logical data models, star schema and snowflake schema warehouse models; How to build analytical models using fact tables, dimensions, dimension hierarchies, cubes, measures and other multidimensional data model objects; Use

interactive Dashboards to analyze data, uncover trends and make strategic business decisions; Export BI results to productivity software such as Microsoft Office or other external systems; Design customized Dashboards to reflect an individual's role, perspective or business interest; Creating data analyses and dynamically interact with results produced from Oracle BI; Format analyses using sorts, filters and prompts; Format column output, subtotaling, customization of column properties and transforming column data using formulas; Create results with compound layouts, including views such as tabular, chart, pivot table, gauge and others; Manage content, permissions and access within the Presentation Catalog. This textbook includes dozens of learning exercises, with detailed point-and-click solutions also provided.

SQL All-in-One For Dummies - Allen G. Taylor
2011-04-05

The soup-to-nuts guide on all things SQL! SQL, or structured query language, is the international standard language for creating and maintaining relational databases. It is the basis of all major databases in use today and is essential for the storage and retrieval of database information. This fun and friendly guide takes SQL and all its related topics and breaks it down into easily digestible pieces for you to understand. You'll get the goods on relational database design, development, and maintenance, enabling you to start working with SQL right away! Provides an overview of the SQL language and examines how it is integral for the storage and retrieval of database information Includes updates to SQL standards as well as any new features Explores SQL concepts, relational database development, SQL queries, data security, database tuning, and more Addresses the relationship between SQL and programming as well as SQL and XML If you're looking for an up-to-date sequel to the bestselling first edition of SQL All-in-One For Dummies, then this is the book for you!

[Oracle Database 12c The Complete Reference](#) - Bob Bryla
2013-08-05

Master the Cutting-Edge Features of Oracle Database 12c Maintain a scalable, highly available enterprise platform and reduce complexity by leveraging the powerful new tools

and cloud enhancements of Oracle Database 12c. This authoritative Oracle Press guide offers complete coverage of installation, configuration, tuning, and administration. Find out how to build and populate Oracle databases, perform effective queries, design applications, and secure your enterprise data. Oracle Database 12c: The Complete Reference also contains a comprehensive appendix covering commands, keywords, features, and functions. Set up Oracle Database 12c or upgrade from an earlier version Design Oracle databases and plan for application implementation Construct SQL and SQL*Plus statements and execute powerful queries Secure data with roles, privileges, virtualization, and encryption Move data with SQL*Loader and Oracle Data Pump Restore databases using flashback and the Oracle Database Automatic Undo Management feature Build and deploy PL/SQL triggers, procedures, and packages Work with Oracle pluggable and container databases Develop database applications using Java, JDBC, and XML Optimize performance with Oracle Real Application Clusters

BEG ORACLE PRO, - Sean Dillon
2002-03-28

This book is for you if you: Want to be either an Oracle administrator or developer; Need a tutorial that takes you from no knowledge to mastery of the Oracle database; Understand the underlying concepts behind relational databases; Have experience of basic SQL. What you will learn from this book: By the time you have completed this book, you will have all the knowledge you need to use Oracle databases with confidence. We will cover: Core Oracle terminology, tools, concepts, and architecture; The functionality of the different versions and editions of Oracle (8, 8i, and 9i); Basic and advanced Oracle SQL; Mastering SQL*Plus as an Oracle development tool; Understanding tables, indexes, transactions and concurrency, views, triggers, and objects; Using PL/SQL to write and package procedural code in the database; Securing your Oracle applications; Evaluating performance and tuning your Oracle application; A SQL Toolkit of useful scripts that you can use in your database; Case studies that apply this knowledge to create two practical Oracle applications

Beginning Oracle SQL - Lex deHaan
2011-01-28

Beginning Oracle SQL is your introduction to the interactive query tools and specific dialect of SQL used with Oracle Database. The book is a revision of the classic Mastering Oracle SQL and SQL*Plus by Lex de Haan, and has been updated to cover developments in Oracle's version of the SQL query language. 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

Oracle Tuning - Alexey B. Danchenkov
2006-02-01

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 Regular Expressions Pocket Reference - Jonathan Gennick 2003-09-05
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.

Oracle Database 11g A Beginner's Guide - Ian Abramson 2008-10-01

Get a Solid Foundation in Oracle Database Technology Master Oracle Database 11g fundamentals quickly and easily. Using self-paced tutorials, this book covers core database essentials, the role of the administrator, high availability, and large database features. Oracle Database 11g: A Beginner's Guide walks you, step by step, through database setup, administration, programming, backup, and recovery. In-depth introductions to SQL and PL/SQL are included. Designed for easy learning, this exclusive Oracle Press guide offers: Core Concepts--Oracle Database 11g topics presented in logically organized chapters Critical Skills--Lists of specific skills covered in each chapter Projects--Practical exercises that show how to apply the critical skills learned in each chapter Progress Checks--Quick self-assessment sections to check your progress

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Notes--Extra information related to the topic being covered Mastery Checks--Chapter-ending quizzes to test your knowledge

Learning SQL - Alan Beaulieu 2009-04-11

Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, *Learning SQL, Second Edition*, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With *Learning SQL*, you'll quickly learn how to put the power and flexibility of this language to work.

Mastering Oracle PL/SQL - Christopher Beck 2008-01-01

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth, practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you.

Oracle DBA Mentor - Brian Peasland 2019-03-29

New Oracle database administrators can get off the ground running. This book helps you develop the ability to think on your feet and move focus in an instant from arcane syntax details to broad, corporate issues. Along the way, you will see how to create your first database and implement best practices to ensure a well-running database system. What makes *Oracle DBA Mentor* different is that it also teaches you how to obtain answers that are not found in this or other books. Focus is given to creating a test

bed and running test cases to examine hypotheses and prove out solutions so you can be sure they work in production. Attention is given to navigating product documentation and networking in forums and social media to build your skills and a network to draw on when solving problems under pressure. There are chapters of step-by-step technical content as well as coverage of essential skills to succeed as a DBA no matter which database engine you administer. By the time you are done reading this book, you will have confidence to face many of the situations thrown in your direction. You will know where to go for the answers you don't yet know that you need. You'll be able to work and troubleshoot under pressure. You'll know how to create a database, institute backup and recovery procedures, secure the database and its valuable corporate data, and acquire more knowledge as needed so you can run a database to meet the needs of your organization. What You'll Learn Install Oracle Database with best practices Implement backup and recovery procedures Understand the fundamentals of databases and data security Find answers to technical problems using Oracle documentation, Oracle Support, and other resources Patch and upgrade an Oracle database Who This Book Is For The novice database administrator who wants help getting off the ground with their DBA career, and in building the skills to let that career flourish in the long term. Mid-level DBAs will also find the book helpful as they try to grow their career to the next level. While the book is geared toward the Oracle platform, database administrators from other platforms can benefit from the soft skills covered in this book.

OCP Instructors Guide for Oracle DBA Certification - Christopher Foot 2004-04

An instructor's guide for teaching Oracle DBA certification candidates, this book is highly technical and written for Oracle Certified Professional (OCP) DBA instructors who want to ensure that their students successfully pass their Oracle OCP certification exam. Covering those OCP topics that students find the most challenging, instructors will find targeted Oracle OCP testing content, test taking tips, and actual OCP test content. Other test topics covered include database architectures, design review meetings, software installation, database

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objects, backup and recovery, and tuning and performance.

Oracle Database XE 11gR2 Jump Start Guide - Asif Momen 2012-07-10

Build and manage your Oracle Database XE environment with this fast paced, practical guide
Database Administration - Craig Mullins 2002

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)

Knowledge Graphs and Big Data Processing - Valentina Janev 2020-01-01

This open access book is part of the LAMBDA Project (Learning, Applying, Multiplying Big Data Analytics), funded by the European Union, GA No. 809965. Data Analytics involves applying algorithmic processes to derive insights.

Nowadays it is used in many industries to allow organizations and companies to make better decisions as well as to verify or disprove existing theories or models. The term data analytics is often used interchangeably with intelligence, statistics, reasoning, data mining, knowledge discovery, and others. The goal of this book is to introduce some of the definitions, methods, tools, frameworks, and solutions for big data processing, starting from the process of information extraction and knowledge representation, via knowledge processing and analytics to visualization, sense-making, and practical applications. Each chapter in this book addresses some pertinent aspect of the data processing chain, with a specific focus on understanding Enterprise Knowledge Graphs, Semantic Big Data Architectures, and Smart Data Analytics solutions. This book is addressed to graduate students from technical disciplines, to professional audiences following continuous education short courses, and to researchers from diverse areas following self-study courses. Basic skills in computer science, mathematics, and statistics are required.

Oracle PL/SQL by Example - Benjamin Rosenzweig 2008-08-15

This integrated learning solution teaches all the Oracle PL/SQL skills you need, hands-on,

through real-world labs, extensive examples, exercises, and projects! Completely updated for Oracle 11g, Oracle PL/SQL by Example , Fourth Edition covers all the fundamentals, from PL/SQL syntax and program control through packages and Oracle 11g's significantly improved triggers. One step at a time, you'll walk through every key task, discovering the most important PL/SQL programming techniques on your own. Building on your hands-on learning, the authors share solutions that offer deeper insights and proven best practices. End-of-chapter projects bring together all the techniques you've learned, strengthening your understanding through real-world practice. This book's approach fully reflects the authors' award-winning experience teaching PL/SQL programming to professionals at Columbia University. New database developers and DBAs can use its step-by-step instructions to get productive fast; experienced PL/SQL programmers can use this book as a practical solutions reference. Coverage includes • Mastering basic PL/SQL concepts and general programming language fundamentals, and understanding SQL's role in PL/SQL • Using conditional and iterative program control techniques, including the new CONTINUE and CONTINUE WHEN statements • Efficiently handling errors and exceptions • Working with cursors and triggers, including Oracle 11g's powerful new compound triggers • Using stored procedures, functions, and packages to write modular code that other programs can execute • Working with collections, object-relational features, native dynamic SQL, bulk SQL, and other advanced PL/SQL capabilities • Handy reference appendices: PL/SQL formatting guide, sample database schema, ANSI SQL standards reference, and more

Oracle Database Administration: The Essential Refe - David Kreines 1999-04-14

Oracle database administration requires a vast amount of information and an ability to perform a myriad of tasks--from installation to tuning to network troubleshooting to overall daily administration. Oracle provides many tools for performing these tasks; the trick is knowing what tool is right for the job, what commands you need to issue (and when), and what parameters and privileges you need to set. And,

as every DBA knows, you need to know how do all this under pressure, while you face crisis after crisis. This book provides a concise reference to the enormous store of information an Oracle DBA needs every day (as well as what's needed only when disaster strikes). It's crammed full of quick-reference tables, task lists, and other summary material that both novice and expert DBAs will use time and time again. It covers the commands and operations new to Oracle8, but also provides Oracle7 information for sites still running earlier versions. Oracle Database Administration provides two types of material: DBA tasks--chapters summarizing how to perform critical DBA functions: installation, performance tuning, preventing data loss, networking, security and monitoring, auditing, query optimization, and the use of various Oracle tools and utilities DBA reference--chapters providing a quick reference to the Oracle instance and database, the initialization (INIT.ORA) parameters, the SQL statements commonly used by DBAs, the data dictionary tables, the system privileges and roles, and the SQL*Plus, Export, Import, and SQL*Loader syntax The book also includes a resource summary with references to additional books, Web sites, and other online and offline resources of special use to Oracle DBAs. Oracle Database Administration is the single essential reference you'll turn to again and again. If you must choose only one book to use at the office, keep at home, or carry to a site you're troubleshooting, this will be that book.

Oracle 12c For Dummies - Chris Ruel
2013-10-24

Demystifying the power of the Oracle 12c database The Oracle database is the industry-leading relational database management system (RDMS) used from small companies to the world's largest enterprises alike for their most critical business and analytical processing. Oracle 12c includes industry leading enhancements to enable cloud computing and empowers users to manage both Big Data and traditional data structures faster and cheaper than ever before. Oracle 12c For Dummies is the perfect guide for a novice database

administrator or an Oracle DBA who is new to Oracle 12c. The book covers what you need to know about Oracle 12c architecture, software tools, and how to successfully manage Oracle databases in the real world. Highlights the important features of Oracle 12c Explains how to create, populate, protect, tune, and troubleshoot a new Oracle database Covers advanced Oracle 12c technologies including Oracle Multitenant—the "pluggable database" concept—as well as several other key changes in this release Make the most of Oracle 12c's improved efficiency, stronger security, and simplified management capabilities with Oracle 12c For Dummies.

Oracle Database 12c DBA Handbook - Bob Bryla
2015-07-03

The definitive reference for every Oracle DBA—completely updated for Oracle Database 12c Oracle Database 12c DBA Handbook is the quintessential tool for the DBA with an emphasis on the big picture—enabling administrators to achieve effective and efficient database management. Fully revised to cover every new feature and utility, this Oracle Press guide shows how to harness cloud capability, perform a new installation, upgrade from previous versions, configure hardware and software, handle backup and recovery, and 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 completely revised security program. 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 and examples available online

Oracle DBA 101 - Marlene Theriault 2000

This first-of-its-kind tutorial shows what it takes to become an entry-level Oracle DBA. Written in a friendly tone, the book moves on to discuss effective performance in the DBA position and day-to-day chores that ensure a smooth-running database. The book includes quick-reference charts of Oracle views and a Glossary. A self-contained toolkit section has beginning and advanced scrips that are tied into the CD.