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

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expert—in Pro Oracle Database 11g RAC on Linux, they offer a rigorous and technically-correct treatment of RAC that helps you build a solid foundation of expertise and achieve success. Rigorous and technically accurate content Complete coverage of RAC, from planning to implementation to rollout to ongoing maintenance and troubleshooting Up-to-date with the very latest RAC features

Meet your certification guide on the journey to Oracle DBA The Oracle DBA Certification track now consists of three levels – Associate (OCA), Professional (OCP), and Master (OCM). This valuable kit helps you attain success at each level, providing clarification of the complex material along with plenty of practice that covers all exam objectives. OCP Oracle Certified Professional on Oracle 12c Certification Kit is the ideal tool for preparing for the OCA and OCP exams. With two comprehensive study guides in one package, this kit serves as a helpful companion throughout your journey to Oracle DBA certification. The OCA study guide is designed for those with some Oracle experience and a background in operational management and maintenance, covering one hundred percent of the material on exams 1Z0-061 and 1Z0-062. Once you're OCA certified, the OCP guide prepares you for exam 1Z0-063 by drawing on your experience with backup, recovery, and cloud computing to master database architecture, RMAN, multitenant architecture, and more. Along the way, you'll have access to robust study tools including review questions, bonus practice exam questions, electronic flashcards, and an appendix of additional lab exercises that give you

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hands-on experience in preparation for exam day.

Review data handling and the creation/maintenance of Oracle databases Understand database architecture and the functionality of ASM Configure projects for recoverability and backup with RMAN Learn efficient space management, multitenant architecture, and more

The addition of multitenancy to Oracle 12c makes an up-to-date study guide crucial for thorough preparation. You must be able to demonstrate your expertise in all aspects of the Oracle environment within a limited time frame, so studying early and often is the surest route to success. If you're ready to tackle these challenging exams, OCP Oracle Certified Professional on Oracle 12c Certification Kit can give you the confidence you need.

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

RMAN Recipes for Oracle Database 12c is an example-driven approach to the Oracle database administrator's #1 job responsibility: Be able to recover the database. Of all the things you are responsible for as database administrator, nothing is more important than the data itself. Like it or not, the fearsome responsibility of protecting your organization's most critical data falls squarely upon your shoulders: Lose that data and your company could fail. Lose that data and you could be out of a job. Oracle's flagship database product fortunately implements a wide-ranging feature set to aid you in the all-important task of safeguarding against data loss. Recovery Manager, or RMAN, is at the heart of that feature set, and is the tool most-often used to initiate

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database backup and recovery operations. In this book, well-known authors and database experts Darl Kuhn, Sam Alapati, and Arup Nanda have created a set of examples encompassing the gamut of backup and recovery tasks that you might need to perform.

Sometimes, especially when the heat is on, a good example is what you need to get started towards a solution. RMAN Recipes for Oracle Database 12c delivers. It'll be the book you reach for when that dreaded call comes in at 3:00am some dreary morning. It'll be the book that lets you sleep at night knowing that no matter what transpires, that you've done your job well and can recover from any outage. RMAN Recipes for Oracle Database 12c gets right to the point with quick and easy-to-read, step-by-step solutions that can help you backup and recover your data with confidence.

This Oracle Press certification exam guide prepares you for the new Oracle Database 12c certification track, including the core requirements for OCA and OCP certification. OCA/OCP Oracle Database 12c All-in-One Exam Guide (Exams 1Z0-061, 1Z0-062, & 1Z0-063) covers all of the exam objectives on the Installation and Administration, SQL Fundamentals, and Advanced Administration exams in detail. Each chapter includes examples, practice questions, Inside the Exam sections highlighting key exam topics, a chapter summary, and a two-minute drill to reinforce essential knowledge. 300+ practice exam questions match the format, topics, and difficulty of the real exam. Electronic content includes interactive practice exam software with hundreds of questions that include detailed answers and

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explanations, and a score report performance assessment tool Ideal as both exam guide and on-the-job reference The most comprehensive single preparation tool for the Oracle Database 12c OCA and OCP certification exams

This Oracle Press eBook is filled with cutting-edge security techniques for Oracle Database 12c. It covers authentication, access control, encryption, auditing, controlling SQL input, data masking, validating configuration compliance, and more. Each chapter covers a single threat area, and each security mechanism reinforces the others.

A Fully Integrated Study System for OCA Exam 1Z0-052 Prepare for the Oracle Certified Associate Oracle Database 11g Administration I exam with help from this exclusive Oracle Press guide. In each chapter, you'll find challenging exercises, practice questions, a two-minute drill, and a chapter summary to highlight what you've learned. This authoritative guide will help you pass the test and serve as your essential on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-052, including: Database architecture Creating an Oracle Database Managing the Oracle instance Configuring and managing the Oracle network Managing database storage structures Administering user security Managing schema objects, data and concurrency, and undo data Implementing Oracle Database security Database maintenance and performance management Backup and recovery Moving data Intelligent infrastructure enhancements On the CD-ROM: One full practice exam that simulates the actual OCA exam

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Detailed answers and explanations Score report performance assessment tool Complete electronic book Bonus exam available free with online registration A Fully Integrated Study System for OCA Exam 1Z0-051 Prepare for the Oracle Certified Associate Oracle Database 11g: SQL Fundamentals I exam with help from this exclusive Oracle Press guide. In each chapter, you'll find challenging exercises, practice questions, a two-minute drill, and a chapter summary to highlight what you've learned. This authoritative guide will help you pass the test and serve as your essential on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-051, including: SQL SELECT statements Restricting and sorting data Single-row functions Conversion functions and conditional expressions Group functions Displaying data from multiple tables Subqueries Set operators DML and DDL statements Schema objects On the CD-ROM: One full practice exam that simulates the actual OCA exam Detailed answers and explanations Score report performance assessment tool Complete electronic book Bonus exam available free with online registration

This Study Guide is targeted at IT professionals who are working towards becoming an Oracle Certified Associate in the PL/SQL developer track. The book provides information covering all of the exam topics for the Oracle certification exam: "1Z0-147: Program with PL/SQL." The books in the Oracle Certification Prep series are built in lockstep with the test topics provided by Oracle Education's certification program.

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Each book is intended to provide the information that will be tested in a clean and concise format. The guides introduce the subject you'll be tested on, follow that with the information you'll need to know for it, and then move on to the next topic. They contain no drills or unrealistic self-tests to bump the page count without adding value. The series is intended to provide a concentrated source of exam information that is compact enough to be read through multiple times. This series is ideal for experienced Oracle professionals that are familiar with the topic being tested, but want a means to rapidly reinforce their existing skills and bridge any gaps in their knowledge. It is also an excellent option as a second source of information for candidates pursuing certification.

Learn cutting-edge technology from Oracle experts
Written by Oracle insiders, this comprehensive guide covers everything you need to know about Real Application Clusters -- low-cost hardware platforms that can rival and exceed the quality of service, availability, and scalability of the most expensive mainframe systems. Concepts covered are applicable to all previous versions of Oracle Tuning and troubleshooting tips, providing insight on the most advanced diagnostics available Detailed coverage of advanced RAC concepts Working code for all examples available online

Written by Oracle insiders, this indispensable guide

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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

A poorly performing database application not only costs users time, but also has an impact on other

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applications running on the same computer or the same network. SQL Tuning provides an essential next step for SQL developers and database administrators who want to extend their SQL tuning expertise and get the most from their database applications. There are two basic issues to focus on when tuning SQL: how to find and interpret the execution plan of an SQL statement and how to change SQL to get a specific alternate execution plan. SQL Tuning provides answers to these questions and addresses a third issue that's even more important: how to find the optimal execution plan for the query to use. Author Dan Tow outlines a timesaving method he's developed for finding the optimum execution plan--rapidly and systematically--regardless of the complexity of the SQL or the database platform being used. You'll learn how to understand and control SQL execution plans and how to diagram SQL queries to deduce the best execution plan for a query. Key chapters in the book include exercises to reinforce the concepts you've learned. SQL Tuning concludes by addressing special concerns and unique solutions to "unsolvable problems." Whether you are a programmer who develops SQL-based applications or a database administrator or other who troubleshoots poorly tuned applications, SQL Tuning will arm you with a reliable and deterministic method for tuning your SQL queries to gain optimal

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performance.

A Complete Study System for OCA Exam 1Z0-062
Prepare for the Oracle Certified Associate Oracle
Database 12c Installation and Administration exam
with this exclusive Oracle Press guide. Each chapter
features challenging exercises, a certification
summary, a two-minute drill, and a self-test to
reinforce the topics presented. This authoritative
resource helps you pass the exam and also serves
as an essential, on-the-job reference. Get complete
coverage of all OCA objectives for exam 1Z0-062,
including: Installing and upgrading Oracle Database
software Managing the database instance
Configuring the Oracle network environment
Managing database storage structures Administering
user security Managing undo data and data
concurrency Implementing Oracle Database auditing
Performing database maintenance Managing
performance and tuning SQL Managing resources
using Oracle Database Resource Manager
Automating tasks Moving data Performing backup
and recovery Installing Oracle Grid Infrastructure for
a standalone server Electronic content includes:
185+ practice exam questions with detailed answers
and explanations Test engine that provides custom
exams by chapter or by domain
A fully updated, integrated self-study system for the
Oracle Database SQL Exam This thoroughly revised
Oracle Press guide offers 100% coverage of all

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objectives on the latest version of the Oracle Database SQL Exam. Ideal both as a study guide and on-the-job reference, OCA Oracle Database SQL Exam Guide (Exam 1Z0-071) features detailed explanations, examples, practice questions, and chapter summaries. “Certification Objectives,” “Exam Watch,” and “On the Job” sections reinforce salient points throughout. You will gain access to two complete practice exams that match the tone, tenor, and format of the live test. Get complete coverage every topic on Exam 1Z0-071, including:

- DDL and SQL SELECT statements
- Manipulating, restricting, and sorting data
- Single-row and group functions
- Displaying data from multiple tables
- Subqueries
- Schema objects
- Set operators
- Grouping related data
- Report creation
- Data dictionary views
- Large data sets
- Hierarchical retrieval
- Regular expression support
- User access control

The electronic includes:

- Two full practice exams
- Detailed answers and explanations

An updated guide for an updated certification exam! As the most popular database software in the world, OracleDatabase 12c has been updated for the first time in nearly sixyears and the changes are significant. This study guide reviews howOracle 12c allows multiple instances to be used simultaneously via the cloud. You'll sharpen your skills to prepare for the threelevels of certification: Oracle Certified Associate, OracleCertified Professional, and Oracle

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Certified Master. Workbookexercise appendix, test engine, chapter review questions,electronic flashcards, searchable PDF glossary, and two bonuspractice exams all help to enhance your preparation to take theOracle 12c exam. Addresses such topics as: database architecture, configuringand recoverability, configuring backup specifications, andperforming user-managed backup and recovery Reviews how to use RMAN to create backups, perform recovery,and duplicate a database Looks at performing tablespace point-in-time recovery and usingflashback technology Covers diagnosing the database, managing memory, managingresources, and automating tasks Focusing 100 percent on the exam objectives, OCP: OracleDatabase 12c Administrator Certified Professional Study Guideis designed for those who feel they are ready to attempt thischallenging exam. This Study Guide is targeted at IT professionals who are working towards becoming an Oracle Certified Associate in the PL/SQL developer track. The book provides information covering all of the exam topics for the Oracle certification exam: "1Z0-144: Oracle Database 11g: Program with PL/SQL." The books in the Oracle Certificaton Prep series are built in lockstep with the test topics provided by Oracle Education's certification program. Each book is intended to provide the information that will be tested in a clean and concise format. The guides introduce

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the subject you'll be tested on, follow that with the information you'll need to know for it, and then move on to the next topic. They contain no drills or unrealistic self-tests to bump the page count without adding value. The series is intended to provide a concentrated source of exam information that is compact enough to be read through multiple times. This series is ideal for experienced Oracle professionals that are familiar with the topic being tested, but want a means to rapidly reinforce their existing skills and bridge any gaps in their knowledge. It is also an excellent option as a second source of information for candidates pursuing certification.

Take Your PL/SQL Programming Skills to the Next Level
Build robust database-centric PL/SQL applications quickly and effectively. Oracle Database 12c PL/SQL Advanced Programming Techniques shows you how to write and deploy Java libraries inside Oracle Database 12c, use the `utl_file` and `DBMS_SCHEDULER` packages, and create external tables and external procedures. Application security, performance tuning, and Oracle Database In-Memory are also covered in this Oracle Press guide. Configure, deploy, and troubleshoot Java libraries for Oracle object types Use the `utl_file` package to manage unstructured and structured data Develop and deploy Java I/O libraries and wrap them with PL/SQL Create and use external tables Implement high-speed data transfer Harden database systems and develop secure applications Manage complex schedules and jobs with the `DBMS_SCHEDULER` package Optimize PL/SQL for use in performance tuning Create and deploy external procedures

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Implement the Oracle Database In-Memory column store feature

Sam Alapati's Expert Oracle Database 11g Administration is a comprehensive handbook for Oracle database administrators (DBAs) using the 11g release of the Oracle Database. All key aspects of database administration are covered, including backup and recovery, day-to-day administration and monitoring, performance tuning, and more. This is the one book to have on your desk as a continual reference. Refer to it frequently. It'll help you get the job done. Comprehensive handbook for Oracle Database administrators. Covers all major aspects of database administration. Tests and explains in detail key DBA commands. Offers primers on Linux/Unix, data modeling, SQL, and PL/SQL.

Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables, constraints, indexes, sequences, and more. The author then explores data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other

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databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Write powerful SQL statements and PL/SQL programs Learn to access Oracle databases through SQL statements and construct PL/SQL programs with guidance from Oracle expert, Jason Price. Published by Oracle Press, Oracle Database 11g SQL explains how to retrieve and modify database information, use SQL Plus and SQL Developer, work with database objects, write PL/SQL programs, and much more. Inside, you'll find in-depth coverage of the very latest SQL features and tools, performance optimization techniques, advanced queries, Java support, and XML. This book contains everything you need to master SQL. Explore SQL Plus and SQL Developer Use SQL SELECT, INSERT, UPDATE, and DELETE statements Write PL/SQL programs Create tables, sequences, indexes, views, and triggers Write advanced queries containing complex analytical functions Create database objects and collections to handle abstract data Use large objects to handle multimedia files containing music and movies Write Java programs to access an Oracle Database using JDBC Tune your SQL statements to make them execute faster Explore the XML capabilities of the Oracle Database Master the very latest Oracle Database 11g features, such as PIVOT and UNPIVOT, flashback archives, and much more

Oracle SQL Tuning with SQLTXPLAIN is a practical guide to SQL tuning the way Oracle's own experts do it, using a freely downloadable tool called SQLTXPLAIN. Using this simple tool

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you'll learn how to tune even the most complex SQL, and you'll learn to do it quickly, without the huge learning curve usually associated with tuning as a whole. Firmly based in real world problems, this book helps you reclaim system resources and avoid the most common bottleneck in overall performance, badly tuned SQL. You'll learn how the optimizer works, how to take advantage of its latest features, and when it's better to turn them off. Quickly tune any SQL statement no matter how complex. Build and tune test cases without affecting production. Use the latest tuning features with confidence.

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 Master All Aspects of Oracle Fusion Middleware Management Govern a unified platform for agile, intelligent business applications using the detailed information contained in this Oracle Press book. Oracle Fusion Middleware 11g Architecture and Management explains the entire suite of Oracle Fusion Middleware components and lays out core use

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cases, best practices, and step-by-step administrative instructions. Discover how to provision servers and clusters, configure Web services, manage portals, and optimize the performance of the full stack of Oracle Fusion Middleware components. Monitoring, diagnosing, and security are also covered in this definitive resource. Understand key architectural concepts behind Oracle Fusion Middleware 11g Create and deploy Oracle WebLogic Server domains and clusters Set up and manage applications built using Oracle Application Development Framework Maximize the value of your Oracle SOA Suite environments Manage portals and Enterprise 2.0 services from Oracle WebCenter Secure deployments with Oracle Platform Security Services and Oracle Identity Management Understand Oracle Exalogic and Oracle Virtual Assembly Builder

OCA: Oracle Database 12c Administrator Certified Associate Study Guide Exams 1Z0-061 and 1Z0-062 John Wiley & Sons

A Complete Study System for OCA Exam 1Z0-061

Prepare for the Oracle Certified Associate Oracle Database 12c SQL Fundamentals I exam with this Oracle Press guide. Each chapter features challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented. This authoritative resource helps you pass the exam and also serves as an essential, on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-061, including: Data retrieval using the SQL SELECT statement Restricting and sorting data Single-row functions Using conversion functions and conditional expressions Reporting aggregated data with the group functions Displaying data from multiple tables with joins Using subqueries to solve problems Using the set

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operators Manipulating data with DML statements Using
DDL statements to create and manage tables Electronic
content includes: 150+ practice exam questions with
detailed answers and explanations Score report
performance assessment tool

A Complete Study System for OCA Exam 1Z0-061
Prepare for the Oracle Certified Associate Oracle
Database 12c SQL Fundamentals I exam with this
Oracle Press guide. Each chapter features challenging
exercises, a certification summary, a two-minute drill,
and a self-test to reinforce the topics presented. This
authoritative resource helps you pass the exam and also
serves as an essential, on-the-job reference. Get
complete coverage of all OCA objectives for exam
1Z0-061, including: Data retrieval using the SQL
SELECT statement Restricting and sorting data Single-
row functions Using conversion functions and conditional
expressions Reporting aggregated data with the group
functions Displaying data from multiple tables with joins
Using subqueries to solve problems Using the set
operators Manipulating data with DML statements Using
DDL statements to create and manage tables Electronic
content includes: 150+ practice exam questions with
detailed answers and explanations Score report
performance assessment tool PDF copy of the book
"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,

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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.

An all-in-one study guide prepares you for the updated Oracle Certified Associate certification. It's been nearly six years since Oracle updated its cornerstonedatabase software, making the demand for a comprehensive studyguide for the OCA 12c certification a top priority.

This resourceanswers that demand. Packed with invaluable insight, chapter reviewquestions, bonus practice exams, hundreds of electronic flashcards,and a searchable glossary of terms, this study guide prepares youfor the challenging Oracle certification exams.

Provides you with a solid understanding of restricting andsorting data Walks you through using conversion functions and conditionalexpressions

Addresses displaying data from multiple tables, manipulatingdata, database maintenance, and database backups and recovery Explores the Oracle database architecture and discussespreparing the database environment, creating an Oracle database,and managing the Oracle instance

Focuses on administering and implementing user security This must-have study guide thoroughly prepares you to take thedramatically updated Oracle 12c OCA exams.

A Complete Study System for OCA Exam 1Z0-821 Prepare for the Oracle Certified Associate Oracle Solaris 11 System Administration exam with help from this exclusive Oracle Press guide. In each chapter, you'll find challenging practice questions, a two-minute drill,

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and a chapter summary to highlight what you've learned. This authoritative resource will help you pass the test and will serve as your essential on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-821, including: Installing Oracle Solaris 11 Managing boot environments Understanding ZFS and other Oracle Solaris file systems Securing systems and files Managing users, groups, and processes Administering the Services Management Facility (SMF) Configuring additional storage Adding and updating Oracle Solaris software Monitoring the system with logging Administering process and kernel crash data Managing network resources Administering Oracle Solaris Zones Electronic content includes: Two practice exams with detailed answers and explanations

Expert Oracle RAC 12c is a hands-on book helping you understand and implement Oracle Real Application Clusters (RAC), and to reduce the total-cost-of-ownership (TCO) of a RAC database. As a seasoned professional, you are probably aware of the importance of understanding the technical details behind the RAC stack. This book provides deep understanding of RAC concepts and implementation details that you can apply toward your day-to-day operational practices. You'll be guided in troubleshooting and avoiding trouble in your installation. Successful RAC operation hinges upon a fast-performing network interconnect, and this book dedicates a chapter solely to that very important and easily overlooked topic. All four authors are experienced RAC engineers with a wealth of hard-won experience encountering and surmounting the challenges of running

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a RAC environment that delivers on its promise. In Expert Oracle RAC 12c they provide you a framework in which to avoid repeating their hard-won lessons. Their goal is for you to manage your own RAC environment with ease and expertise. Provides a deep conceptual understanding of RAC Provides best practices to implement RAC properly and match application workload Enables readers to troubleshoot RAC with ease What you'll learn Know when to apply RAC, and when not to Design applications to take advantage of RAC Troubleshoot and solve clusterware problems Manage database backup and recovery in RAC Stay on top of locking issues and deadlock detection Harness the performance from parallel processing in RAC Support your RAC environment with a healthy network interconnect Who this book is for Expert Oracle RAC 12c is for experienced Oracle Database Administrators (DBAs) who are ready to take the next step in their career by expanding their skill set to include building and managing Oracle Real Application Clusters (RAC). DBAs and architects who are in the process of implementing RAC can immensely benefit from this book. It's an excellent choice for DBAs to learn RAC conceptually, understand best practices, and become experts in troubleshooting RAC problems. Table of Contents Overview of Oracle RAC Clusterware Management and Troubleshooting RAC Operational Practices RAC New Features Storage and ASM Practices Application Design Issues Managing and Optimizing a Complex RAC Environment Backup and Recovery in RAC Network Practices in RAC RAC

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Database Optimization Locks and Deadlocks Parallel
Query in RAC Clusterware and Database Upgrades
Oracle RAC One Node

Prepare for the Oracle Certified Associate Oracle
Database 12c SQL Fundamentals I exam with this
exclusive Oracle Press guide. Each chapter features
challenging exercises, a certification summary, a two-
minute drill, and a self-test to reinforce the topics
presented. This authoritative resource helps you pass
the test and also serves as an essential, on-the-job
reference. Get complete coverage of all OCA objectives
for exam 1Z0-061, including: - Data retrieval using the
SQL SELECT statement - Restricting and sorting data -
Single-row functions - Using conversion functions and
conditional expressions - Reporting aggregated data with
the group functions - Displaying data from multiple tables
with joins - Using subqueries to solve problems - Using
the set operators - Manipulating data with DML
statements - Using DDL statements to create and
manage tables

Master Oracle Database 12c PL/SQL Application
Development Develop, debug, and administer robust
database programs. Filled with detailed examples and
expert strategies from an Oracle ACE, Oracle Database
12c PL/SQL Programming explains how to retrieve and
process data, write PL/SQL statements, execute
effective queries, incorporate PHP and Java, and work
with dynamic SQL. Code testing, security, and object-
oriented programming techniques are fully covered in
this comprehensive Oracle Press guide. Explore new
SQL and PL/SQL features in Oracle Database 12c Build

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control structures, cursors, and loop statements Work with collections, varrays, tables, and associative array collections Locate and repair errors and employ exception handlers Execute black box, white box, and integration tests Configure and manage stored packages and libraries Handle security with authentication and encryption Use LOBs to store text and multimedia content Write and implement PL/SQL and Java triggers Extend functionality using dynamic SQL statements Understand object types, nested tables, and unnesting queries

The Definitive Guide to Oracle Database 11g Get full details on the powerful features of Oracle Database 11g from this thoroughly updated Oracle Press guide. Oracle Database 11g: The Complete Reference explains how to use all the new features and tools, execute powerful SQL queries, construct PL/SQL and SQL*Plus statements, and work with large objects and object-relational databases. Learn how to implement the latest security measures, tune database performance, and deploy grid computing techniques. An invaluable cross-referenced appendix containing Oracle commands, keywords, features, and functions is also included. Install Oracle Database 11g or upgrade from an earlier version Create database tables, sequences, indexes, views, and user accounts Construct SQL statements, procedures, queries, and subqueries Optimize security using virtual private databases and

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transparent data encryption Import and export data using SQL*Loader and Oracle Data Pump Use SQL replay, change management, and result caching Avoid human errors using flashback and automatic undo management Build and tune PL/SQL triggers, functions, and packages Develop database applications using Java, JDBC, and XML Optimize availability and scalability with Oracle Real Application Clusters

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Beginning Oracle Database 12c Administration is your entry point into a successful and satisfying career as an Oracle Database Administrator. The

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chapters of this book are logically organized into four parts closely tracking the way your database administration career will naturally evolve. Part 1 "Database Concepts" gives necessary background in relational database theory and Oracle Database concepts, Part 2 "Database Implementation" teaches how to implement an Oracle database correctly, Part 3 "Database Support" exposes you to the daily routine of a database administrator, and Part 4 "Database Tuning" introduces the fine art of performance tuning. Beginning Oracle Database 12c Administration provides information that you won't find in other books on Oracle Database. You'll discover not only technical information, but also guidance on work practices that are as vital to your success as are your technical skills. The author's favorite chapter is "The Big Picture and the Ten Deliverables." (It is the editor's favorite chapter too!) If you take the lessons in that chapter to heart, you can quickly become a much better Oracle database administrator than you ever thought possible. You will grasp the key aspects of theory behind relational database management systems and learn how to:

- Install and configure an Oracle database, and ensure that it's properly licensed;
- Execute common management tasks in a Linux environment;
- Defend against data loss by implementing sound backup and recovery practices; and
- Improve database and query performance.

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This updated study guide for the latest release of the most popular database software in the world—Oracle Database 11g— reviews using the RMAN recovery catalog, handling Flashback technology, managing memory and resources, automating tasks, diagnosing the database, and much more. Plus, more than 100 pages of workbook exercises help prepare you to take the 1Z0-053 exam. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Based on John Patrick's hands-on SQL IT professionals at the University of California, Berkeley, this book shows exactly how to retrieve the data you want, when you need it, in any application. This 2nd edition is completely updated to include Oracle 9i and Access 2000.

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