

Oracle Database Problem Solving And Troubleshooting Handbook

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. 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. This authoritative resource helps you pass the exam and also serves as an essential, on-the-job reference. Each chapter features challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented 7ffebbc68

This book is for anyone who needs the essential skills to become an Oracle DBA, pass the Oracle Database Administration I exam, and use those skills in the real world to manage secure, high performance, and highly available Oracle databases. Developed as a practical book, \"Oracle Database 11g Administration I Certification Guide\" will show you all you need to know to effectively excel at being an Oracle DBA, for both examinations and the real world 7ffebbc68

\"This book also describes Oracle's various network management utilities, including Listener Control (lsnctl), Oracle Names Control (namesctl), Oracle Connection Manager Control (cmctl), tnsping, and Net8 Assistant. In addition, the book provides a variety of networking troubleshooting techniques, commonly encountered Net8 configuration problems, and a complete syntax summary for all networking files and commands. \"--BOOK JACKET 7ffebbc68

The book takes an example-based approach, wherein each chapter covers a specific problem domain. Oracle Database 12c Performance Tuning Recipes is a ready reference for database administrators in need of immediate help with performance issues relating to Oracle Database. Solutions in the recipes are backed by clear explanations of background and theory from the author team. Provides proven solutions to real-life Oracle performance problems Offers relevant background and theory to support each solution Gets straight to the point for when you're under pressure for results. You won't have the time for a leisurely perusal of the manuals, nor to lean back and read a book on theory. Within each chapter are \"recipes,\" showing by example how to perform common tasks in that chapter's domain. What you need in that situation is a book of solutions, and solutions are precisely what Oracle Database 12c Performance Tuning Recipes delivers. They are more often \"crises\" during which you're pressured for results by a manager standing outside your cubicle while your phone rings with queries from the help desk. Performance problems are rarely \"problems\" per se. Whatever the task, if it's performance-related, you'll probably find a recipe and a solution in this book 7ffebbc68

The Oracle DBA Survival Guide will turn a mediocre administrator into an effective, skilled administrator in charge of a well-tuned RDBMS. With its comprehensive coverage of the physical components of the environment, as well as the administration, tuning, optimization, and maintenance of the systems, this is the only book an Oracle DBA will ever need 7ffebbc68

Especially in a Linux environment installation of the database requires careful preparation, configuration and sometimes troubleshooting in order to succeed. Therefore, this material is also useful for the installation of other Oracle products such as the Oracle Database Client, specialized options for a database server installation, and so on. This course includes practical tips learned from many real-world installations which can assist you to achieve a successful installation in your environment. The purpose of this Oracle 11g training course module is to offer a step-by-step guide for the configuration of a Linux or Microsoft Windows server to host an Oracle database Enterprise Edition installation. We will explore both a standalone database installation and also a grid infrastructure installation. A major prerequisite for the usage and deployment of Oracle database technology is a successful installation. Major objectives covered within this guide book include: - Configuration of the Linux and Microsoft Windows operating systems in anticipation of a database installation; Performing a Desktop Class installation of the Oracle 11g R2 Enterprise Edition database; - Performing a Server Class installation of the Oracle 11g R2 Enterprise Edition database; - Addressing configuration and setup issues using the FixUp utility;- Verification of a valid database installation; Database administrator and technical support interface options, including the use of Enterprise Manager, command-line SQL*Plus, and terminal console SSH;- Preparing a host system for the Grid Infrastructure and Oracle RDBMS

installations and performing those installations;- Preparing a host system for ASM storage management; - Partitioning and configuration of storage devices for ASM storage on both Linux and MS Windows servers; While this course module applies specifically to the installation of the Enterprise Edition of the Oracle database, it covers basic topics which apply to any Oracle software installation 7fFebbcf68

Have you ever been faced with a new type of query to write, or been asked to create an unfamiliar database object. This book frees you from that drudgery by providing tested and working examples of SQL used to solve common problems faced by developers and database administrators on a daily basis. Example-based, providing quality solutions to everyday problems Respects your time by putting solutions first and keeping discussions short Solves the most commonly encountered SQL problems. In such situations, you have probably wanted a good, solid example upon which to build, and instead have been forced into the drudgery of parsing railroad-style syntax diagrams in Oracle's manual set. When you're under pressure to get results fast, Oracle SQL Recipes is there at your side 7fFebbcf68

This nuts-and-bolts guide walks you through the mysteries of Oracle and database administration. Are you a seasoned system administrator charged with setting up an Oracle database. Oracle 11g For Dummies covers: The building blocks behind the database engine as well as Oracle's physical and logical structures Hardware, software, system, and storage requirements for implementation How to recognize and accommodate the differences between Oracle installations on Windows and on Linux/UNIX Daily and intermittent tasks necessary to keep your database running properly How to assess potential threats to your database, configure Oracle Recovery Manager, and set up backup and recovery procedures When to use online, offline, controlfile, and archive log backups Troubleshooting methodology and how to use Oracle database logs and other diagnostic utilities Different ways to manage your database How to automate jobs with the Oracle Scheduler Using SQL in Oracle, and a great deal more Completely up to date for the newest release of Oracle, Oracle 11g For Dummies will give you both the information and the confidence to set up and maintain an Oracle database for your organization. If database administration with Oracle is part of your job, you'll be glad to have Oracle 11g For Dummies in your cubicle. Or did you suddenly become a DBA by default. You'll learn how to understand Oracle database architecture, set up and manage an Oracle database, and keep it running in tiptop form 7fFebbcf68

Written by a team of Oracle ACEs, Oracle Database 12c Release 2 Testing Tools and Techniques for Performance and Scalability clearly explains how to identify, investigate, and resolve performance issues. •Establish benchmarks and evaluate application workload performance •Configure and deploy SQL Tuning Advisor and SQL Access Advisor •Maximize efficiency using Oracle Database In-Memory and In-Memory Advisor •Identify and repair poorly running code with SQL Monitor •Uncover database problems using Real-Time ADDM and Emergency Monitoring •Work with database workload capture and replay •Analyze third-party code with Workload Intelligence •Identify database objects that will benefit most from In-Memory Column Store (IMCS) •Monitor and manage IMCS objects with In-Memory Central. 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. You will discover how to use troubleshooting tools and test rigs, optimize code and queries, evaluate database performance, perform realistic application testing, capture and replay actual production workloads, and employ Oracle Database In-Memory. Master Oracle Database 12c Release 2 testing and tuning Seamlessly transition to Oracle Database 12c Release 2 and achieve peak performance using the step-by-step instruction and best practices contained in this Oracle Press guide 7fFebbcf68

Reexamines conventional wisdom in light of Oracle's high-productivity 4GL development tools and the powerful CASE toolkit, the result being a unique source of practical advice that belongs on every Oracle manager's bookshelf. Provides a thorough treatment of the major issues facing managers of Oracle database systems 7fFebbcf68

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. 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 7fFebbcf68

Reading this book and using SQL helps you learn 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. Learn through this practical guide to SQL tuning how Oracle's own experts do it, using a freely downloadable tool called SQLTXPLAIN. This new edition has been expanded to include AWR, Oracle 12c Statistics, interpretation of SQL Monitor reports, Parallel execution, and Exadata-related features. Both developers and DBAs will benefit from learning how to use the SQLTXPLAIN tool, and from the problem solving methodology in this book. Covers AWR report integration Helps with SQL Monitor Report Interpretation Provides a reliable method that is repeatable Shows the very latest tuning features in Oracle Database 12c Enables the building of test cases without affecting production What You'll Learn Identify how and why complex SQL has gone wrong Correctly interpret AWR reports generated via SQLTXPLAIN Collect the best

statistics for your environment Know when to invoke built-in tuning facilities Recognize when tuning is not the solution Spot the steps in a SQL statement's execution plan that are critical to performance of that statement Modify your SQL to solve performance problems and increase the speed and throughput of production database systems Who This Book Is For divAnyone who deals with SQL and SQL tuning. Best of all, the book is updated to cover the very latest feature set in Oracle Database 12c. You'll learn how the optimizer works, how to take advantage of its latest features, and when it's better to turn them off 7ffebbc68

In-depth coverage of official exam objectives Practical information on implementing and managing Oracle9i databases Hundreds of challenging review questions, in the book and on the CD Authoritative coverage of all exam objectives, including: Identifying solutions included with Oracle9i for managing complex networks Using Oracle Net Services and client server connections Establishing web client connections through Oracle networking products Troubleshooting database connections Using and configuring the Oracle Shared Server Backing up, restoring, and recovering databases Configuring the database archiving mode Using Recovery Manager (RMAN) Loading data into, and transporting data between databases Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. Here's the book you need to prepare for Exam 1Z0-032: Oracle9i Database: Fundamentals II 7ffebbc68

The Practical, Authoritative, 360-Degree Technical Guide to Oracle Exadata: From Setup to Administration, Optimization, Tuning, and Troubleshooting The blazingly fast Oracle Exadata Database Machine is being embraced by thousands of large-scale users worldwide: by governments, the military, enterprise organizations, cloud service providers, and anyone who needs extreme performance. Whether you're an Oracle Exadata DBA, DMA, architect, or manager, you need these insights. Six renowned Oracle technology experts have brought together core technical information, experience, best practices, and insider tips in a concise reference. Get a 360-degree overview of the Oracle Exadata Database Machine Efficiently deploy RAC within the Oracle Exadata ecosystem Fully leverage Storage Cell's extraordinary performance, via Offloading, Smart Scans, and Hybrid Columnar Compression Manage Exadata with OEM 12c: perform setup, configuration, asset/target discovery, and day-to-day administration Tune Oracle Exadata for even better performance Perform Exadata Backup/Recovery/DR with RMAN and Data Guard Migrate to Oracle Exadata from other platforms Use Oracle Exadata with the ZFS Storage Appliance Consolidate within the Exadata Database Cloud. Covering both 11g and 12c versions of Oracle Exadata software, they deliver hands-on coverage of best practices, setup, migration, monitoring, administration, performance tuning, and troubleshooting. Now, Oracle Exadata Expert's Handbook provides authoritative guidance to running Oracle Exadata with maximum reliability, effectiveness, performance, and efficiency 7ffebbc68

This comprehensive guide has been fully updated to cover the latest features and tools of Oracle Real Application Clusters 12c Through clear instruction and detailed examples, Oracle Database 12c Real Application Clusters Handbook: Concepts, Administration, Tuning & Troubleshooting teaches how to build, configure, and maintain a dynamic enterprise computing infrastructure. Presents all the new information needed to effectively use Oracle Real Application Clusters 12c -considered the most radical overhaul ever Offers detailed coverage of troubleshooting, performance tuning, and application development. This thoroughly revised edition covers best uses for the latest tools and features—all from the practical standpoint of a working DBA. You will discover how to prepare hardware, configure the software, optimize data integrity, and integrate seamless failover protection. Brand-new flex and large cluster technologies are explained in full detail, and readers will get complete solutions for securing data and continuing business operations in the event of hardware failure 7ffebbc68

It's finding a solution that's difficult. Christian Antognini brings a decade and a half experience to his topic. Troubleshooting Oracle Performance, 2nd Edition is your systematic guide to diagnosing and resolving performance problems in database-backed applications involving Oracle's database engine. Troubleshooting Oracle Performance, 2nd Edition helps by providing a systematic approach to addressing the underlying causes of poor database application performance. What do you do when your database application isn't running fast enough. This second edition has been rigorously updated to cover the latest developments in Oracle Database 11g Release 2 through Oracle Database 12c. His first edition is one of the most well-respected books in its field. You'll be able to draw a solid foundation of theory and shared experience as you face head-on the performance challenges in your daily work. You troubleshoot, of course. Finding the slow part of an application is often the easy part of the battle. Written for developers by an application developer who has learned by doing Gives a systematic approach to solving database application performance problems Helps you plan for performance as you would for any other application requirement. The author freely shares his experience while explaining the underlying foundations of how SQL statements are executed by the Oracle database engine 7ffebbc68

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. Use the latest tuning features with confidence. You'll learn how the optimizer works, how to take advantage of its latest features, and when it's better to turn them off. Using this simple tool you'll learn how to tune even the most complex SQL, and you'll learn to do it quickly, without the huge learning curve usually associated with tuning as a whole. 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. Quickly tune any SQL statement no matter how complex. Build and tune test cases without affecting production 7ffebbc68

Original. A complete guide to SQL*Loader, a utility used to move data from external files into an Oracle database, offers step-by-step instruction in the various applications of SQL*Loader, providing a task-oriented approach that covers the latest Oracle 8 and Oracle 8i features. (Beginner/Intermediate) 7ffebbc68

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 7ffebbc68

Troubleshoot, tune, and optimize your Oracle database efficiently and successfully every time. This book explains how to take full advantage of the revolutionary Oracle Wait Interface to quickly pinpoint-- and solve--core problems and bottlenecks, and increase productivity exponentially 7ffebbc68

Within each chapter are \"recipes,\" showing by example how to perform common tasks in that chapter's domain. Performance problems are rarely \"problems\" per se. The book takes an example-based approach, wherein each chapter covers a specific problem domain. Provides proven solutions to real-life Oracle performance problems Offers relevant background and theory to support each solution Written by a team of experienced database administrators successful in their careers. Oracle Database 11g Performance Tuning Recipes is a ready reference for database administrators in need of immediate help with performance issues relating to Oracle Database. They are more often \"crises\" during which you're pressured for results by a manager standing outside your cubicle while your phone rings with queries from the help desk. You won't have the time for a leisurely perusal of the manuals, nor to lean back and read a book on theory. Solutions in the recipes are backed by clear explanations of background and theory from the author team. What you need in that situation is a book of solutions, and solutions are precisely what Oracle Database 11g Performance Tuning Recipes delivers. Whatever the task, if it's performance-related, you'll probably find a recipe and a solution in this book 7ffebbc68

The book delves deeply into design issues and gives advice that will have a major impact on your database and system performance. This book focuses exclusively on Oracle database design. The design advice is detailed and thorough. It covers the most up-to-date Oracle issues and technologies, including massively parallel processors, very large databases, data warehouses, client-server, and distributed database 7ffebbc68

Then, building on this foundation, they offer insider advice on all key facets of database cloud deployment and operation with Oracle Enterprise Manager 12c and Oracle RAC 12c. The authors first explain the key concepts underlying DBaaS, describe cloud computing implementations related to it, and outline the business and technology benefits. This guide helps you Make the business case for cloud computing with DBaaS Organize DBA responsibilities in cloud environments Plan, design, and deploy Database Clouds with Oracle's latest components Consolidate schema and databases with Oracle Enterprise Manager 12c Use best practices for management, administration metering, and chargeback Clone databases quickly and reliably Set up grid infrastructure on Oracle VM for x86 or Oracle VM VirtualBox. Next, they show how the Oracle DBA's approach changes in cloud environments. Writing for Oracle DBAs, DMAs, cloud administrators, and other Oracle professionals, the authors present authoritative technical information for database cloud build-out, management, monitoring, and day-to-day administration. An Expert Guide to Building Oracle Database Cloud Infrastructures This is the first complete, practical guide to architecting, designing, and building Database Clouds with Oracle 12c. Written by a veteran author team of Oracle gurus and ACE Directors, Building Database Clouds in Oracle 12c combines a real-world, hands-on operations guide with an expert handbook on Oracle Database-As-A-Service (DBaaS) and Oracle Real Application Clusters (RAC) 7ffebbc68

Prepare to pass the OCP DBA Fundamentals II exam using this Oracle Press study guide. You'll get complete coverage of all exam topics followed by practice questions and chapter summaries. The CD-ROM contains hundreds of practice exam questions in an adaptive format 7ffebbc68

It also includes chapters on parallel server, parallel query, backup and recovery, the Oracle Performance Pack, and more. They're packed with real-world advice and techniques from practitioners in the field, and they come with disks containing code you can use immediately in your own applications. Performance tuning is crucial in any modern relational database management system. The books in O'Reilly's Oracle series are authoritative -- they tell the whole story about complex topics, ranging from performance tuning to the use of packages in PL/SQL to new technologies like Power Objects. Too many organizations respond to Oracle performance problems by throwing money at these problems -- by buying larger and more expensive computers or by hiring expert consultants. Whatever version of Oracle you're running -- from Version 6 to Oracle8, proper tuning can save your organization a huge amount of money in additional equipment, extra memory, and hardware upgrades. O'Reilly is the

alternative for Oracle people who need to solve problems -- and solve them now. And they're independent; they're alternatives for readers who need to know how products and features really work. But there's a lot you can do on your own to increase dramatically the performance of your existing system. The first edition of Oracle Performance Tuning became a classic for programmers, managers, database administrators, system administrators, and anyone who cares about improving the performance of an Oracle system. This second edition contains 400 pages of updated material updating on Oracle features, incorporating advice about disk striping and mirroring, RAID, client-server, distributed databases, MPPS, SMPs, and other architectures 7ffebbc68

The intricacies of Oracle multi-master replication are described, and working code examples of complex multi-master replication are provided. A reference for any Oracle database administrators who must ensure the consistency of data across distributed platforms, this book is for those administrators who recognize the benefits of distributing Oracle data. Also included is information on Oracle replication tuning and monitoring 7ffebbc68

Understand exactly what scalability means in the enterprise; then discover how to deliver it, step-by-step, from the ground up, through design, testing, construction, maintenance, benchmarking, and ongoing management. For all enterprise system architects, database engineers, and application developers working with Oracle. Readers will find comprehensive coverage of tuning the underlying UNIX platform to improve OLTP response times; including co-engineering the kernel; working with virtual memory, I/O, interprocess communication; and more. In Scaling Oracle 8i, one of the world's leading Oracle consultants introduces today's best methods and technologies for building industrial-strength Oracle database systems on UNIX platforms. Scaling Oracle 8i contains a full chapter on the special issues associated with e-commerce, as well as a detailed case study drawn from one of the world's largest car rental reservations systems. Morle covers every component that impacts performance, including hashing, caching, hardware architecture and I/O subsystems, Oracle database objects, data storage, memory structures, and a detailed review of the Oracle Parallel Server. This is the complete, expert guide to building enterprise-class UNIX-based Oracle OLTP systems that deliver maximum performance and scalability 7ffebbc68

Learn how to Choose the quickest path to solve high-impact problems Use modern best practices to make your day more efficient and predictable Construct your "Call 9-1-1 plan" for future database emergencies Proactively perform maintenance to improve your environment's stability Save time with industry-standard tools and scripts Register your product at informit. The authors cover LOB segments, UNDO tablespaces, high GC buffer wait events, poor query response times, latch contention, indexing, XA distributed transactions, RMAN backup/recovery, and much more. An Expert Guide for Solving Complex Oracle Database Problems Oracle Database Problem Solving and Troubleshooting Handbook delivers comprehensive, practical, and up-to-date advice for running the Oracle Database reliably and efficiently in complex production environments. com/register for convenient access to downloads, updates, and corrections as they become available. Every solution is crafted to help experienced Oracle DBAs and DMAs understand and fix serious problems as rapidly as possible. They also offer in-depth coverage of a wide range of topics, including DDL optimization, VLDB tuning, database forensics, adaptive cursor sharing, data pumps, data migration, SSDs, indexes, and how to go about fixing Oracle RAC problems. Seven leading Oracle experts have brought together an unmatched collection of proven solutions, hands-on examples, and step-by-step tips for Oracle Database 12c, 11g, and other recent versions of Oracle Database 7ffebbc68

Oca Oracle Database 11g Database Administration I 7ffebbc68

The book starts by introducing and explaining the components of Oracle Streams and how they work together. When you have studied the techniques and completed the hands-on examples, you will have an understanding of Oracle Streams' core concepts and functionally that will allow you to successfully design, implement, and maintain an Oracle Streamed environment. It is intended for Oracle database architects and administrators, and provides in-depth discussion on must-know information for the design, implementation, and maintenance of an Oracle Streams environment. Once these concepts are discussed, the book moves to configuration and basic implementation examples to help solidify those concepts. This book provides the reader with solid techniques to master Oracle Streams technology and successfully deploy distributed database systems. The book does not attempt to regurgitate all the information in the Oracle Streams Administration Guides, but rather provides additional clarification and explanation of design, implementation, and troubleshooting concepts that are often elusive in Streams documentation. It then moves on logically, helping you to determine your distributed environment requirements and design your Streams implementation to meet those requirements. It then addresses advanced features such as tags, down-stream capture, and conflict resolution. This book quickly goes over the basics and gets you up and running with a simple Oracle 11g Streams environment. Annotation From smaller businesses through to huge enterprises _ users all over the world often require access to data 24 hours a day. Oracle Streams, a built-in feature of the Oracle database, is a data replication and integration feature critical to the success and wellbeing of enterprises in today's fast moving economy. Distributed database systems proliferate the world of data sharing providing an ability to access real-time data anywhere, anytime. It will serve as an excellent companion to the Oracle Streams Administration Guide. It also identifies helpful tools and Oracle resources to add to your knowledge base, as well as tried and tested tricks and tips to help you tame Oracle Streams. You then move on to maintenance techniques such as documenting the environment, effectively planning and implementing changes to the environment, and monitoring and

troubleshooting the environment 7ffebbc68

Ideal for all new and experienced DBAs who need to learn to manage a networked Oracle database system efficiently and effectively, this book provides tips on management, tuning, maintaining security, backup, and tools. It details networking Oracle, and pays special attention to the Oracle Optimizer 7ffebbc68

This timely and expert guide will cover many of the little known and undocumented features within the newest release of Oracle database for Oracle 11g. Topics will include a detailed discussion of the latest Oracle 11g database internals which previously have been undocumented and internal to only the Oracle server development team. Move from the average Oracle DBA to become an expert level DBA with the help of this exciting new guide from an Oracle guru. It will allow the experienced Oracle professional to become an expert on how the Oracle database engine really works and provide the Oracle beginner with the solid core knowledge of the theory and practice behind the Oracle database. However, when it comes down to how the actual database engine works under the hood, the internal workings of Oracle are poorly documented or hidden from plain view of the working DBA. This text explains hot issues for resolving the most difficult performance and recovery issues for Oracle 11g databases. This book distills the very complex nature of Oracle 11g database internals using undocumented tools and features that have not been covered so that database professionals can gain mastery over solving the most difficult and challenging issues for Oracle 11g. In addition, tools and utilities that have been previously neglected such as how to use internal tools for database issues such as oradebug and tkprof will be explored for tuning difficult issues with the Oracle 11g database. It will be a perfect capstone to mastering the keys to the kingdom of the Oracle 11g engine. Are you a senior level Oracle professional who wants to learn the secret workings of the Oracle 11g database engine to be able to solve tricky database issues. Most experienced Oracle DBAs are familiar with the standard utilities found within the Oracle database server environment such as RMAN, export and import and Grid Control 7ffebbc68

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. 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 7ffebbc68

You can pick and choose whatever topic requires your attention. This book is also for system administrators, who are responsible for keeping the overall system backed up and available. Every company relies on data to operate efficiently. Whether you just need to brush up on an old backup and recovery subject or you want to implement an RMAN feature that is new in Oracle Database 19c, this book allows you to focus on a topic and its corresponding solution. Protecting corporate data is a critical task. Many companies use Oracle databases to store mission-critical data. Recovery Manager (RMAN) is Oracle's flagship database backup and recovery solution. You do not need to read this book cover to cover. System administrators and database administrators must work together to ensure that the database servers are backed up, scalable, and highly available. Or worse, you find yourself in an uber-stressful recovery situation and you can't quickly find a solution to get your mission-critical database restored and available. RMAN can be used out of the box for simple backup and recovery needs or can be configured to meet the most sophisticated requirements. Oracle is a leading vendor of database technology. Rather, you require a solution right then and there. Therefore, RMAN is a tool that every Oracle DBA must be proficient with. When you are implementing RMAN backups, sometimes it can be difficult to find clear examples of how to accomplish a specific task. In order to fully utilize the benefits of this book!"RMAN for Oracle Database 19c Problem-Solution-Explanation Part I\ . A DBA's job security depends on being able to back up and safely recover databases. This is especially true when troubleshooting and tuning disk, tape, hardware, and network issues. Any database administrator from rookie to expert can leverage the recipes in this book to implement RMAN's features and resolve troublesome issues. In those hectic circumstances, you don't want to wade through pages of architectural discussions or complex syntax diagrams. This is what makes a database administrator valuable. This book provides you with task-oriented, ready-made solutions to both common and not-so-common backup and recovery scenarios. You want a quick step-by-step cookbook example that is easy to read and to the point. This book is for any DBA who wants to quickly find accurate solutions to his RMAN backup and recovery operations. One major responsibility of a DBA is to ensure that information stored in corporate databases is safe and available. The delineation between system administration and database administration tasks is often nebulous 7ffebbc68

Recovery Manager, or RMAN, is at the heart of that feature set, and is the tool most-often used to initiate database backup and recovery operations. Lose that data and you could be out of a job. Table of Contents Backup and Recovery 101 Jump-Starting RMAN Using the Fast Recovery Area Using RMAN Configuring the RMAN Environment Using the Recovery Catalog Making Backups with RMAN

Maintaining RMAN Backups and the Repository Scripting RMAN Restoring the Control File Performing Complete Recovery Performing Incomplete Recovery Performing Flashback Recovery Handling Online Redo Log Failures Duplicating Databases and Transporting Data Tuning RMAN Troubleshooting RMAN Implementing Oracle Secure Backup Performing Backup and Recovery with Enterprise Manager Using the Data Recovery Advisor Using RMAN on Windows DataGuard RMAN and RAC RMAN and ASM RMAN and Exadata. 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. 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. What you'll learn Reliably back up and recover your database using Oracle's Recovery Manager Let Oracle Database manage your backup files via the Fast Recovery Area Automate backup and recovery tasks by writing scripts Troubleshoot RMAN problems and optimize RMAN performance Recover from the loss of a control file, loss of an online redo log, and from other unusual situations Who this book is for RMAN Recipes for Oracle Database 12c is aimed squarely at Oracle database administrators responsible for database backup and recovery operations. 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. 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. 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. It'll be the book you reach for when that dreaded call comes in at 3:00am some dreary morning. RMAN Recipes for Oracle Database 12c delivers 7ffe9bcf68

Oracle's Exadata Database Machine is a pre-configured engineered system comprised of hardware and software, built to deliver extreme performance for Oracle Database workloads. You can feel confident using the reliable solutions that are demonstrated in this book in your enterprise Exadata environment. Table of Contents Exadata Hardware Exadata Software How Oracle Works on Exadata Workload Qualification Sizing Exadata Preparing for Exadata Administration and Diagnostics Utilities Backup and Recovery Storage Administration Network Administration Patching and Upgrades Security Monitoring Exadata Storage Cells Host and Database Performance Monitoring Smart Scan and Cell Offload Hybrid Columnar Compression I/O Resource Management and Instance Caging Smart Flash Cache and Smart Flash Logging Storage Indexes Post-Installation Monitoring Tasks Post-Install Database Tasks. Whether you're an Oracle Database administrator, Unix/Linux administrator, storage administrator, network administrator, or Oracle developer, Oracle Exadata Recipes provides effective and proven solutions to accomplish a wide variety of tasks on the Exadata Database Machine. Managing Oracle Exadata is unlike managing a traditional Oracle database. Oracle Exadata Recipes takes an example-based, problem/solution approach in showing how to size, install, configure, manage, monitor, optimize, and migrate Oracle database workloads on and to the Oracle Exadata Database Machine. Let Oracle Exadata Recipes help you translate your existing Oracle Database knowledge into the exciting new growth area that is Oracle Exadata. Exadata delivers extreme performance by offering an optimally balanced hardware infrastructure with fast components at each layer of the engineered technology stack, as well as a unique set of Oracle software features designed to leverage the high-performing hardware infrastructure by reducing I/O demands. Helps extend your Oracle Database skillset to the fast-growing, Exadata platform Presents information on managing Exadata in a helpful, example-based format Clearly explains unique Exadata software and hardware features What you'll learn Install and configure Exadata Manage your Exadata hardware infrastructure Monitor and troubleshoot performance issues Manage smart scan and cell offload processing Take advantage of Hybrid Columnar Compression Deploy Smart Flash Cache and Smart Flash Logging Ensure the health of your Exadata environment Who this book is for Oracle Exadata Recipes is for Oracle Database administrators, Unix/Linux administrators, storage administrators, backup administrators, network administrators, and Oracle developers who want to quickly learn to develop effective and proven solutions without reading through a lengthy manual scrubbing for techniques. Readers in a hurry will appreciate the recipe format that sets up solutions to common tasks as the centerpiece of the book 7ffe9bcf68

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. 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. Demystifying the power of the Oracle 12c database The Oracle database is the industry-leading relational database management system (RDBMS) used from small companies to the world's largest enterprises alike for their most critical business and analytical processing. 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. Oracle 12c For Dummies is the perfect guide for a novice database administrator or an Oracle DBA who is new to Oracle 12c 7ffe9bcf68

Practical guide to RAC architecture for data base managers to manage Oracle9i clusters 7ffe9bcf68

This handy guide demystifies the steps required to protect your business data. Oracle RMAN Recipes helps you take advantage of all that RMAN has to offer. In this book, Oracle experts Darl Kuhn, Sam Alapati, and Arup Nanda show you the power of Recovery Manager, or RMAN, which is Oracle's backup and recovery tool of choice. It provides ready-made and example-based solutions to common (and some not-so-common) backup and recovery operations 7ffe6bcf68

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