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Master Cloud Computing with Oracle Enterprise Manager 12c Gain organizational agility, foster innovation, and lower TCO by adopting a service-oriented, cloud-based IT solution. Building and Managing a Cloud Using Oracle Enterprise Manager 12c thoroughly explains how to architect, configure, and manage components of a public or private cloud lifecycle. Discover how to choose the right architecture, deploy applications, govern self-

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service provisioning, monitor users, and implement security. This Oracle Press guide features best practices and case studies from the authors' experiences as Oracle product managers. Plan and deploy a flexible cloud infrastructure Configure Oracle Enterprise Manager 12c Self Service Portal Bundle applications using Oracle Virtual Assembly Builder Set up, manage, and monitor IaaS, PaaS, and DBaaS Meter usage and establish chargeback policies Work with large-scale clouds and enforce compliance Manage cloud service levels Diagnose and repair bottlenecks and faults Demystifying the power of the Oracle 12c database

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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

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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.

The primary target audience is Oracle DBAs and Oracle Cloud DBA's. This book has been diligently planned for all levels of DBA experts. Coming right

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from the real-world practitioner DBA's, this book is written as a hands-on guide imparting practical working knowledge and guidance of Autonomous Database.*Creating Autonomous Databases.*Accessing Autonomous Databases.*Monitoring Autonomous Databases.*Loading Data to Autonomous Databases.*Use of Object Storage Bucket.*Migrating Autonomous Databases.*Managing Autonomous Databases.

Linux and Solaris Recipes for Oracle DBAs, 2nd Edition is an example-based book on managing Oracle Database under Linux and Solaris. The book

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is written for database administrators who need to get work done and lack the luxury of curling up fireside with a stack of operating-system documentation. What this book provides instead is task-oriented coverage designed around the needs of the Oracle Database Administrator. Find the right chapter. Look up the task to perform. See the solution. Implement the solution straight away in your own environment. Get the job done. New in this edition is coverage of Oracle's own Solaris operating system. Oracle Corporation has been working diligently to bring commonality between Solaris and Linux, and this book takes

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advantage of those efforts to provide task-oriented solutions that work on common distributions of Linux such as Red Hat Enterprise Linux and Oracle Enterprise Linux while also accommodating the growing number of Oracle Solaris customers. Examples in the book match the tasks DBAs perform daily, even hourly. Solutions come first in the book, but always are followed by close explanations of the details. Database administrators won't go wrong with *Linux and Solaris Recipes for Oracle DBAs*. It's the book to buy if you're after clear and reliable examples to help in getting the job done, and getting home to your family. Takes you

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directly from problem to solution Covers the "right" mix of operating-system tasks for database administrators Respects your time by being succinct and to-the-point Includes coverage of Solaris in addition to common Linux distributions What You Will Learn Execute Linux and Solaris commands applicable to Oracle Database. Automate critical DBA tasks via operating-system shell scripts. Monitor, tune, and optimize Linux and Solaris servers for Oracle. Setup a VirtualBox environment for the Oracle database. Perform system administration tasks relevant to Oracle Database. Remotely (and securely!) manage Oracle on Linux

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and Solaris. Who This Book Is For Linux and Solaris Recipes for Oracle DBAs is a book for Oracle database administrators who want to expertly operate Oracle databases on the Linux and Solaris operating systems. If you're new to Linux and Solaris and can benefit from detailed examples showing how to perform tasks that Oracle DBAs perform on Linux and Solaris servers, then this book is what you need to help you get the job done, and get home on time.

Architecture, Data Storage, Implementation, and Security

The Complete Guide to Practices and Procedures

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Oracle VM Manager 2.1.2

The Introduction to Private Cloud using Oracle Exadata and Oracle Database

Oracle Database 12c

The Essential Guide to Oracle Automatic Storage Management

Protecting Oracle Database 12c helps you solve the problem of maximizing the safety, resilience, and security of an Oracle database whilst preserving performance, availability, and integration despite ongoing and new security issues in the software. The book demonstrates, through coded examples, how you can enable the consolidation features of Oracle Database 12c without

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increasing risk of either internal corruption or external vulnerability. In addition, new protections not publicly available are included, so that you can see how demonstrable risk improvements can be achieved, measured, and reported through Enterprise Manager 12c. Most importantly, the challenge of privileged access control within a consolidation environment will be addressed, thus enabling a safe move to greater efficiency. 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

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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

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Expert Oracle RAC Performance Diagnostics and Tuning provides comprehensive coverage of the features, technology and principles for testing and tuning RAC databases. The book takes a deep look at optimizing RAC databases by following a methodical approach based on scientific analysis rather than using a speculative approach, twisting and turning knobs and gambling on the system. The book starts with the basic concepts of tuning methodology, capacity planning, and architecture. Author Murali Vallath then dissects the various tiers of the testing implementation, including the operating system, the network, the application, the storage, the instance, the database, and the grid infrastructure. He also introduces

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tools for performance optimization and thoroughly covers each aspect of the tuning process, using many real-world examples, analyses, and solutions from the field that provide you with a solid, practical, and replicable approach to tuning a RAC environment. The book concludes with troubleshooting guidance and quick reference of all the scripts used in the book. Expert Oracle RAC Performance Diagnostics and Tuning covers scenarios and details never discussed before in any other performance tuning books. If you have a RAC database, this book is a requirement. Get your copy today. Takes you through optimizing the various tiers of the RAC environment. Provides real life case studies, analysis and

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solutions from the field. Maps a methodical approach to testing, tuning and diagnosing the cluster

This book is an anthology of effective database management techniques representing the collective wisdom of the OakTable Network. With an emphasis upon performance—but also branching into security, national language, and other issues—the book helps you deliver the most value for your company's investment in Oracle Database technologies. You'll learn to effectively plan for and monitor performance, to troubleshoot systematically when things go wrong, and to manage your database rather than letting it manage you.

Linux Recipes for Oracle DBAs

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Protecting Oracle Database 12c

Oracle Client/Server Modernization

Oracle High Availability, Disaster Recovery, and Cloud Services

Recent Advances in Security, Privacy, and Trust for Internet of Things (IoT) and Cyber-Physical Systems (CPS)

Oracle Data Guard 11g Handbook

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:

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by governments, the military, enterprise organizations, cloud service providers, and anyone who needs extreme performance. Now, Oracle Exadata Expert's Handbook provides authoritative guidance to running Oracle Exadata with maximum reliability, effectiveness, performance, and efficiency. Six renowned Oracle technology experts have brought together core technical information, experience, best practices, and insider tips in a concise reference. 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. Whether you're an Oracle Exadata

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DBA, DMA, architect, or manager, you need these insights. 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

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Cloud

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

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

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

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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 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

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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

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(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

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

Work with Oracle database's high-availability and disaster-management technologies. This book covers all the Oracle high-availability technologies in one place and also discusses how you configure them in engineered systems and cloud services. You will see that when you say your database is healthy, it is not limited to whether the database is performing well on day-to-day operations; rather it should also be robust and free from disasters. As a result, your database will be capable of

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handling unforeseen incidents and recovering from disaster with very minimal or zero downtime. Oracle High Availability, Disaster Recovery, and Cloud Services explores all the high-availability features of Oracle database, how to configure them, and best practices. After you have read this book you will have mastered database high-availability concepts such as RAC, Data Guard, OEM 13c, and engineered systems (Oracle Exadata x6/x7 and Oracle Database Appliance). What You Will Learn Master the best practices and features of Exadata and ODA Implement and monitor high availability with OEM 13c Clone databases using various methods in Oracle 12c R2 Work with the Oracle sharding

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features of Oracle 12c R2 Who This Book Is For Oracle database administrators

Oracle Database Administration from the Oak Table

Oracle ASM 12c Pocket Reference Guide

Virtualizing Oracle Databases on vSphere

Just Relax DBA

The Cloud DBA-Oracle

Oracle Database 12c DBA Handbook

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. This study guide covers 100% of the objectives for the

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Oracle Cloud Infrastructure Architect Associate exam Pass the new Oracle Cloud Infrastructure Architect Associate exam with ease using the detailed information contained in this effective self-study system. Written by an Oracle expert and respected author, Oracle Cloud Infrastructure Architect Associate All-in-One Exam Guide (Exam 1Z0-1072) offers complete coverage of every subject on the challenging exam. Hands-on exercises, practice exam questions with in-depth explanations, “Notes,” “Exam Tips,” and “Cautions” throughout provide professional insight and call out potentially harmful situations.

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Beyond exam preparation, this guide also serves as a valuable on-the-job reference. Covers all exam topics, including:

- Oracle Cloud Infrastructure concepts
- OCI identity and access management
- OCI networking
- Compute instances
- Storage
- Database
- Automation tools
- OCI best practice architectures

Online content includes:

- 140 practice questions
- Fully-customizable online test engine

Security, privacy, and trust in the Internet of Things (IoT) and CPS (Cyber-Physical Systems) are different from conventional security as concerns revolve around the collection and

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aggregation of data or transmission of data over the network. Analysis of cyber-attack vectors and the provision of appropriate mitigation techniques are essential research areas for these systems. Adoption of best practices and maintaining a balance between ease of use and security are, again, crucial for the effective performance of these systems. Recent Advances in Security, Privacy and Trust for Internet of Things (IoT) and Cyber-Physical Systems (CPS) discusses and presents techniques and methodologies, as well as a wide range of examples and illustrations, to effectively show the principles, algorithms,

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challenges, and applications of security, privacy, and trust for IoT and CPS. Book features:
Introduces new directions for research, development, and engineering security, privacy, and trust of IoT and CPS Includes a wealth of examples and illustrations to effectively demonstrate the principles, algorithms, challenges, and applications Covers most of the important security aspects and current trends not present in other reference books This book will also serve as an excellent reference in security, privacy, and trust of IoT and CPS for professionals in this fast-evolving and critical field. The

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chapters present high-quality contributions from researchers, academics, and practitioners from various national and international organizations and universities.

Migrating to the Cloud: Oracle Client/Server Modernization is a reference guide for migrating client/server applications to the Oracle cloud. Organized into 14 chapters, the book offers tips on planning, determining effort and budget, designing the Oracle cloud infrastructure, implementing the migration, and moving the Oracle cloud environment into production. Aside from Oracle application and database cloud

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offerings, the book looks at various tools and technologies that can facilitate migration to the cloud. It includes useful code snippets and step-by-step instructions in database migration, along with four case studies that highlight service enablement of DOS-based applications, Sybase to Oracle, PowerBuilder to APEX, and Forms to Java EE. Finally, it considers current challenges and future trends in cloud computing and client/server migration. This book will be useful to IT professionals, such as developers, architects, database administrators, IT project managers, and executives, in developing migration

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strategies and best practices, as well as finding appropriate solutions. Focuses on Oracle architecture, Middleware and COTS business applications Explains the tools and technologies necessary for your legacy migration Gives useful information about various strategies, migration methodologies and efficient plans for executing migration projects

Enterprise Manager 12c (EM12c), Oracle's newest and fully-integrated enterprise management product, now provides a complete cloud lifecycle management solution and enterprise environment management interface. Expert

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Oracle Enterprise Manager 12c opens up the secrets of this incredible management tool, saving you time while enhancing your visibility as someone management can rely upon to deliver reliable database service in today's increasingly chaotic and change-driven IT environment. Expert Oracle Enterprise Manager 12c covers all the topics you demand and need to function effectively, from basic monitoring and configuration to advanced metric extensions and plugins. Real-life scenarios and demonstrations place you in the comfort zone of using the EM12c console, and the experienced author team

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provides deep understanding of the inner workings of this new Enterprise Manager. Database administrators and system administrators are expected to offer increasing levels of service for 24X7 systems and newer cloud environments. Em12c offers robust, end-to-end intelligent management of the complete environment. It includes direct, real-time integration with Oracle's online knowledgebase. Expert Oracle Enterprise Manager 12c helps you master this important tool and manage any challenge that comes your way. Provides example solutions to everyday problems through EM12c

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features. Explains the changes in EM12c, included trusted extensions. Focuses on advanced aspects of the EM12c interface.

Building Database Clouds in Oracle 12c

Oracle Autonomous Database Cookbook

OCA: Oracle Database 12c Administrator Certified Associate Study Guide

Oracle Enterprise Manager Cloud Control 12c

Oracle Enterprise Manager Cloud Control 12c

Deep Dive

Expert Oracle RAC 12c

Oracle ASM continues to be the best practice to

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implementing Oracle Databases. Whether you are leveraging a single instance database or a clustered database with RAC, you can benefit from the real-life examples to administering and maintaining ASM from this book. Consolidated by Charles Kim and Nitin Vengurlekar, this pocket reference guide is loaded with command line interface syntax for Oracle ASM 11g Release 2 or Oracle ASM 12c. It does not matter if you are a newbie to ASM or a long time veteran, this pocket reference guide is packed with relevant tidbits. Both Charles and Nitin have combined experiences of over 48 years of Oracle experience and are authors of many Oracle books. Charles is the Founder and President of

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Viscosity North America and Nitin is the Chief Technology Officer. They are subject matter experts of RAC/ASM/Exadata technologies.

Learn how to define strategies for cloud adoption of your Oracle database landscape. Understand private cloud, public cloud, and hybrid cloud computing in order to successfully design and manage databases in the cloud. The Cloud DBA-Oracle provides an overview of Database-as-a-Service (DBaaS) that you can use in defining your cloud adoption strategy. In-depth details of various cloud service providers for Oracle database are given, including Oracle Cloud and Amazon Web Services (AWS). Database administration

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techniques relevant to hosting databases in the cloud are shown in the book as well as the technical details needed to perform all database administration tasks and activities, such as migration to the cloud, backup in the cloud, and new database setup in the cloud. You will learn from real-world business cases and practical examples of administration of Oracle database in the cloud, highlighting the challenges faced and solutions implemented. What you will learn:

- Cloud computing concepts from the DBA perspective, such as private cloud, public cloud, hybrid cloud
- Technical details of all aspects of cloud database administration
- Challenges faced during setup of databases in private cloud

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or database migration to public cloud Key points to be kept in mind during database administration in the cloud

Practical examples of successful Oracle database cloud migration and support Who Is This Book For All levels of IT professionals, from executives responsible for determining database strategies to database administrators and database architects who manage and design databases.

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

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planning, and other essentials. Original. (Advanced)
Private clouds allow for managing multiple databases under one roof, avoiding unnecessary resource management. Private cloud solutions can be applied in sectors such as healthcare, retail, and software. The Introduction to Private Cloud using Oracle Exadata and Oracle Database will explore the general architecture of private cloud databases with a focus on Oracle ' s Exadata database machine. The book describes the private cloud using fundamental-level Exadata and database. Exadata has been Oracle ' s pioneer product for almost a decade. In the last few years, Oracle has positioned Exadata for customers to consume as a cloud

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service. This book will provide a timely introduction to Exadata for current and potential Oracle customers and other IT professionals.

A Lazy DBA's Guide to Mastering Multitenant Features on Oracle Cloud

Bpel PM and Osb Operational Management with Oracle Enterprise Manager 10g Grid Control

Expert Oracle RAC Performance Diagnostics and Tuning
DBA Transformations

Pro Oracle Database 11g Administration

Manage and Safeguard Your Organization ' s Data

Manage the operational tasks for multiple Oracle

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BPEL and OSB environments centrally using this book and eBook.

Pro Oracle Database 11g Administration is a book focused on results. Author Darl Kuhn draws from a well of experience over a decade deep to lay out real-world techniques that lead to success as an Oracle Database administrator. He gives clear explanations on how to perform critical tasks. He weaves in theory where necessary without bogging you down in unneeded detail. He is not afraid to take a stand on how things should be done. He won't leave

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you adrift in a sea of choices, showing you three ways to do something and then walking away. Database administration isn't about passing a certified exam, or about pointing-and-clicking your way through a crisis. Database administration is about applying the right solution at the right time, about avoiding risk, about making robust choices that get you home each night in time for dinner with your family. If you have "buck stops here" responsibility for an Oracle database, then Pro Oracle Database 11g Administration is the book you need to help

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elevate yourself to the level of Professional Oracle Database Administrator. Condenses and organizes the core job of a database administrator into one volume. Takes a results-oriented approach to getting things done. Lays a foundation upon which to build a senior level of expertise

Gain a solid foundation in database design and implementation using the practical, easy-to understand approach in DATABASE SYSTEMS: DESIGN, IMPLEMENTATION, AND MANAGEMENT, 13E. This market-leading

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resource provides in-depth coverage of database design, balancing theory and practice with supporting visuals. Completely revised and reorganized coverage of SQL makes the purchase of supplementary SQL programming books unnecessary. SQL is introduced with more examples and simpler explanations that focus on the points most important for a career in the database field. In addition, coverage of Big Data Analytics and NoSQL, including related Hadoop technologies, is now expanded to include a stronger hands-on approach. Important

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Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Master Oracle Enterprise Manager Cloud Control 12c Achieve peak database efficiency and derive unprecedented value from your corporate assets by implementing an end-to-end cloud computing solution. Oracle Enterprise Manager Cloud Control 12c Deep Dive thoroughly explains best practices for deployment, administration, and monitoring. Learn how to prepare and install Oracle Enterprise Manager Cloud Control 12c,

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use agents, apply system-wide patches, perform real-time diagnostics, and discover, monitor, and administer hosts, databases, and middleware. Security and select plug-ins are also fully covered in this Oracle Press guide. Install and configure Oracle Enterprise Manager Cloud Control 12c Deploy management agents in one of six available ways Handle security with Cloud Control administrators, roles, and credentials Track performance with SQL monitoring and Active Session History (ASH) analytics Dynamically provision middleware and

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***enterprise applications Work with Oracle
Exadata and Oracle Exalogic Elastic Cloud Force
policy compliance and employ global change
detection Manage and monitor hosts, virtual
machines, and server pools
Expert Oracle Practices
Linux and Solaris Recipes for Oracle DBAs
PDB Me to Oracle Cloud Pocket Solutions Guide
Cloud Computing Solutions
Pro Oracle Database 18c Administration
Cloud DBA Oracle***

This practical Oracle Press guide teaches

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cutting-edge techniques for building, configuring, and managing a secure private database cloud with Oracle Enterprise Manager 13c This hands-on volume lays out ready-to-deploy roadmaps for the design and maintenance of high-performance private database clouds using Oracle Enterprise Manager 13c. Learn best practices for a wide variety of different approaches—Database as a Service, Snap Clone as a Service, Schema as a Service, and Pluggable Database as a Service. Oracle Private Cloud Cookbook with

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Enterprise Manager 13c thoroughly explains how to architect, configure, and manage every component in a private database cloud lifecycle. You will get an insider's solutions for securing your cloud-based infrastructure, generating reliable RMAN backups, and protecting your mission-critical enterprise information using Oracle Data Guard. This comprehensive volume from Oracle Press features detailed, step-by-step instructions with multiple screen shots and diagrams that illustrate each technique along the way. Real-

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world examples and case studies illustrate applications in various industries Offers essential skills for cloud administrators and DBAs Author is an Oracle Certified Master, previous ACE director, and experienced computing writer

Implement a Centralized Cloud Storage Infrastructure with Oracle Automatic Storage Management Build and manage a scalable, highly available cloud storage solution. Filled with detailed examples and best practices, this Oracle Press guide explains how to set up

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a complete cloud-based storage system using Oracle Automatic Storage Management. Find out how to prepare hardware, build disk groups, efficiently allocate storage space, and handle security. Database Cloud Storage: The Essential Guide to Oracle Automatic Storage Management shows how to monitor your system, maximize throughput, and ensure consistency across servers and clusters. Set up and configure Oracle Automatic Storage Management Discover and manage disks and establish disk groups Create, clone, and

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administer Oracle databases Consolidate resources with Oracle Private Database Cloud Control access, encrypt files, and assign user privileges Integrate replication, file tagging, and automatic failover Employ pre-engineered private cloud database consolidation tools Check for data consistency and resync failed disks Code examples in the book are available for download

Manage a Flexible and Elastic Data Center with Oracle VM Manager using this book and eBook.

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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

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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

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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. Building Your Career in the Transition to On-Demand Cloud Computing and Extreme

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Automation

Exams 1Z0-061 and 1Z0-062

Managing Oracle Database in the Cloud

Oracle Database Cloud Cookbook with Oracle

Enterprise Manager 13c Cloud Control

Oracle Exadata Expert's Handbook

Building and Managing a Cloud Using Oracle

Enterprise Manager 12c

**This book focuses on range of Oracle
Database 12c Release 2 Multitenant
features on Oracle Cloud, including
faster PDB cloning with no downtime,**

tighter resource control at the PDB level, ILM Automatic Data Optimization (ADO) policies for PDBs using Heat Maps, and even FLASHBACK recovery for individual PDBs. This book explores the latest features of Oracle Database 12cR1 and 12cR2 Multitenant option and provides practical, hands-on experience; as well as numerous code examples that can immediately be leveraged when deploying, upgrading to, and migrating to CDBs and PDBs with zero downtime.

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This book also demonstrates compelling Multitenant features such as:

- * Migrating Databases to Oracle Cloud***
- How to Perform Extreme Consolidation with Oracle PDBs**
- * How to Deal with Oracle Wallets in Oracle Cloud***
- Application Containers: Isolating Applications from Each Other***
- Juggling Hot PDBs: Multitenant Migration Techniques***
- Implementing PDB Memory, CPU, I/O, and Other Resource Limits***
- Hot Data, Cold Data: Leveraging ILM and ADO for**

PDBs

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). 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. The authors first explain the key concepts underlying DBaaS, describe cloud computing implementations related to it, and outline the business and technology

benefits. Next, they show how the Oracle DBA's approach changes in cloud environments. 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. 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

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**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**

**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

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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 Database administration isn't about passing a certified exam, or about

pointing and clicking your way through a crisis. Database administration is about applying the right solution at the right time, avoiding risk, and making robust choices that get you home each night in time for dinner with your family. This book will help elevate you to the level of Professional Oracle Database Administrator. This book provides information and techniques for keeping an Oracle database stable and running on-premise, and is fully updated to cover

Oracle Database 18c. New in this edition is coverage of cloud administration in the Oracle Public Cloud, automation of tasks using the autonomous database features, and data movement with multi-tenant databases. The book covers everything from architecture of the database engine, securing objects and users, strategies for performing maintenance tasks and resolving performance problems, through to backup and recovery. Pro Oracle Database 18c Administration takes a

modern approach to database administration. Emphasis is given to automation, which is of growing importance as more databases are being moved into various cloud solutions and database administrators are being required to manage more instances than ever. Focus is given to multi-tenant container architecture and pluggable databases, and the book takes a refreshing, results-oriented approach that helps you get the job done. What

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You'll Learn Understand the differences between managing on-premise and cloud deployments Take advantage of new features in 18c while also managing older releases Manage more databases than ever by automating your environment Apply the latest techniques around pluggable databases and containerization Safeguard your data through good security and backup/recovery practices Troubleshoot common problems Who This Book Is For

Database architects and administrators who want to level-up to the latest techniques around containerization, automation, and cloud deployment. The book also is appropriate for Oracle professionals desiring to present themselves as being competitive and up-to-date with the latest in the field.

Explore RAC, Data Guard, and Cloud Technology

Database Administration

Oracle Essentials

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Oracle Database 11g
Oracle 12c For Dummies
Oracle Cloud Infrastructure Architect
Associate All-in-One Exam Guide (Exam
1Z0-1072)

This brilliant new book gives readers the lowdown on the most important new features in the latest release of Oracle's flagship database product. Authors Sam Alapati and Charles Kim are experienced database administrators who go beyond regurgitating Oracle's new feature documentation to report on "what's new that really matters." Readers whose careers are bound up in

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Oracle's database system need to know what's new. Sam and Charles deliver with a rigor and candor that will help readers choose the best of the new features to apply in their own environments.

Master Oracle Data Guard 11g Provide superior data protection, availability, and disaster recovery using the tested techniques in this Oracle Press guide. Cowritten by a team of Oracle experts, Oracle Data Guard 11g Handbook provides a sound architectural foundation along with best practices for configuration, monitoring, maintenance, and troubleshooting. You will get full details on implementing deployment architectures to

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address requirements that extend beyond disaster recovery. This invaluable resource also includes a complete set of monitoring scripts available for download. Develop a disaster recovery plan for your Oracle database to meet your organization's requirements Configure and deploy Oracle Data Guard for your environment Tune and troubleshoot your physical and logical standby databases Implement the Oracle Data Guard Broker management framework Integrate with Oracle Grid Control Monitor your Oracle Data Guard environment Enable read-only services and disaster recovery with Oracle Active Data Guard Configure

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*seamless database and application failover Minimize
planned downtime using Oracle Data Guard switchover
Handle backup and recovery with Oracle Recovery
Manager*

*This book is a practical step-by-step tutorial with
screenshots for carrying out tasks showing you how to
manage and administer your data center with Oracle
Enterprise Manager. It is packed with best practices and
tips that will help you benefit from the author's extensive
experience of working with Oracle Enterprise Manager
since at least a decade, and combined with his 25+ years
IT industry experience. If you are a Data Center, IT or*

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Database Team manager who wants to take advantage of the automation and compliance benefits of Enterprise Manager 12c Cloud Control, then Oracle Enterprise Mana.

Adapt your career as a database administrator to the changing industry. Learn where the growth and demand for DBA talent are occurring and how to enhance your skill set. Creating databases, providing access, and controlling data are no longer the focus. What matters now is managing and monitoring the systems that provide access to users of the data. This book will help you formulate a plan for development and change to remain

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valuable in the face of radical new developments around cloud computing, containerized databases, and automation of routine tasks. The playing field is shifting rapidly with the development of technologies and software enhancements that automate and even eliminate many traditional aspects of the DBA job. DBA Transformation helps you redirect your attention and skills as a DBA to areas such as design and development of the containers and cloud environments on which automation depends. You will be encouraged to build soft skills as well as to focus on technical pain points such as data security that are of even greater importance now

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that so much corporate data is in cloud-based systems that are accessible from the Internet at large. What You'll Learn Embrace and profit from rapid shifts in the database industry Recognize where growth and demand for talent are occurring Create a personal transformation plan to help you navigate the changes Pivot your career toward more interesting skills and responsibilities Who This Books Is For Working database professionals who are interested in keeping their careers relevant as well as building their careers and making them stronger in the face of dramatic changes that are being driven by trends toward cloud computing and

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containerization

Expert Oracle Enterprise Manager 12c

*Database Systems: Design, Implementation, &
Management*

Migrating to the Cloud

*Administer Configure Oracle Database in Cloud Step by
Step*

Database Cloud Storage

New Features for DBAs and Developers

The start-to-finish guide to virtualizing business-critical Oracle Software and Databases on VMware vSphere Virtualizing large-scale Oracle software and

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databases on vSphere can deliver powerful scalability, availability, and performance benefits. Recognizing this opportunity, thousands of organizations are moving to virtualize Oracle. However, reliable best practices have been difficult to find, and database and virtualization professionals often bring incompatible perspectives to the challenge.

Virtualizing Oracle® Databases on vSphere® is the first authoritative, comprehensive, and best-practice guide to running Oracle on VMware platforms.

Reflecting a deep understanding of both Oracle and vSphere, this guide is supported by extensive in-the-field experience with the full spectrum of database applications and environments. Both a detailed

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reference and a practical cookbook, it combines theory and practice, and offers up-to-date insights for the entire lifecycle, supported by case studies. Kannan Mani and Don Sullivan fully address architecture, performance, design, sizing, and high availability. Focusing on current versions of Oracle and vSphere, they highlight the differences between ESX/ESXi 4.x and 5.x wherever relevant. To deliver even more value, they provide extensive online resources, including easy-to-adapt scripts and expert how-to videos. Coverage includes: Understanding the DBA's expanded role in virtualized environments, and the emergence of the vDBA, vRACDBA, and Cloud DBA Identifying your best opportunities to drive

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value from virtualizing Oracle Anticipating challenges associated with virtualizing Oracle-based Business Critical Applications on vSphere Using VMware to overcome ongoing database deployment and management problems Protecting your virtualized database environment with vSphere's high-availability capabilities Designing databases to achieve scalability on demand, maximize availability, consolidate servers, and improve compliance Implementing best practices for memory, storage, and database layout Demystifying the impact of virtualization on Oracle support and licensing Using VMware Site Recovery Manager (SRM) to accelerate disaster recovery by seamlessly integrating VM and

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storage failover Streamlining provisioning and taking advantage of opportunities to automate

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

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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.

CLOUD COMPUTING SOLUTIONS The main purpose of this book is to include all the cloud-related technologies in a single platform, so that researchers,

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academicians, postgraduate students, and those in the industry can easily understand the cloud-based ecosystems. This book discusses the evolution of cloud computing through grid computing and cluster computing. It will help researchers and practitioners to understand grid and distributed computing cloud infrastructure, virtual machines, virtualization, live migration, scheduling techniques, auditing concept, security and privacy, business models, and case studies through the state-of-the-art cloud computing countermeasures. This book covers the spectrum of cloud computing-related technologies and the wide-ranging contents will differentiate this book from others. The topics treated in the book include: The

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evolution of cloud computing from grid computing, cluster computing, and distributed systems; Covers cloud computing and virtualization environments; Discusses live migration, database, auditing, and applications as part of the materials related to cloud computing; Provides concepts of cloud storage, cloud strategy planning, and management, cloud security, and privacy issues; Explains complex concepts clearly and covers information for advanced users and beginners. Audience The primary audience for the book includes IT, computer science specialists, researchers, graduate students, designers, experts, and engineers who are occupied with research. Administer Configure Oracle Database in 'The Cloud'

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Step by Step ApproachCloud adoption in the database world is growing very rapidly. Various research and studies forecast the DBaaS and cloud database service market to grow at a compound annual growth rate (CAGR) of more than 65% by 2019. Currently available books cover either cloud computing or database administration, but not both. This book bridges the gap. The book is divided into two parts. Part I covers the cloud computing concepts and database as a service overview, whereas Part II covers everything that is required for you to become a cloud DBA. Part II starts from your first database provisioning in the cloud and then moves to setting up Oracle RAC and DataGuard in the cloud. The

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chapter on database migration to the cloud gives you in-depth details around how to plan and execute DB migration. The chapter on DB security touches on the key security aspects that you should take care for your cloud-based database. The backup and recovery chapter covers various backup and recovery options in Oracle cloud and AWS. The manage and monitor chapter covers details on all the tools that are useful for performing day-to-day monitoring and administration. Part II covers DB administration aspects from the two most prominent cloud providers- Oracle Cloud and Amazon Web Services (AWS). This book has the right balance of theory and practical examples, along with the best practices in each given

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area. Database administrators, DB architects, and DB operations managers can use this book to learn and understand the process of running Oracle database in the cloud.

Managing Data Center Chaos