

Oracle GoldenGate 12c Implementers Guide Leverage The Power Of Real Time Data Access For Designing Building And Tuning Your GoldenGate Enterprise

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*Oracle GoldenGate 11g
Implementer's Guide* - John P.
Jeffries 2011-02-22

Design, install, and configure high-performance data replication solutions using Oracle GoldenGate with this book and eBook.

Oracle RMAN Database Duplication - Darl Kuhn
2015-02-19

RMAN is Oracle's flagship backup and recovery tool, but did you know it's also an effective database duplication tool? Oracle RMAN Database Duplication is a deep dive into RMAN's duplication feature set, showing how RMAN can make it so much easier for you as a database administrator to satisfy the many requests from developers and testers for database copies and refreshes for use in their work. You'll learn to make and refresh duplicate databases with a single command, and of course you can automate and schedule that command so that developers and testers are supplied with regular, known good databases without any manual intervention on your

part. Fast and easy provisioning of databases for developers and testers is a driving force in the move to cloud computing and virtualization. RMAN's robust database duplication feature set plays right into this growing need for ease of provisioning, enabling easy duplication of known-good databases on demand, across operating systems such as between Linux and Solaris, and even across storage environments such as when duplicating from a RAC/ASM environment to a single-node instance using regular file system storage. Oracle RMAN Database Duplication is your thorough guide to providing amazing business value to your organization by way of fast and easy provisioning of database duplicates in service of development and testing projects.

Pro Oracle Spatial for Oracle Database 11g - Ravikanth Kothuri 2012-01-03
Now available in paperback—
Pro Oracle Spatial for Oracle Database 11g shows how to

take advantage of Oracle Databases built-in feature set for working with location-based data. A great deal of the information used in business today is associated with location in some way, and analysis of that data is becoming ever more important in today's mobile and highly connected world. In Pro Oracle Spatial for Oracle Database 11g, authors Ravi Kothuri and Albert Godfrind address: The special nature of spatial data and its role in professional and consumer applications Issues in spatial data management such as modeling, storing, accessing, and analyzing spatial data The Oracle Spatial solution and the integration of spatial data into enterprise databases How spatial information is used to understand business and support decisions, to manage customer relations, and to better serve private and corporate users When you read Pro Oracle Spatial for Oracle Database 11g, you're learning from the very best. Ravi Kothuri is a key member of

Oracle's Spatial development team. Albert Godfrind consults widely with Oracle clients on the implementation of Oracle Spatial, develops training courses, and presents frequently at conferences. Together they have crafted a technically sound and authoritative fountain of information on working with spatial data in the Oracle database.

Oracle SOA Suite 12c Administrator's Guide - Arun Pareek 2015-11-27

A guide to everything an Oracle SOA Suite 12c administrator needs to hit the ground running About This Book Understand core administrative tasks such as deployments, purging, startup and shutdown, configuration, and backup and recovery Manage, monitor, and troubleshoot SOA composites and OSB services Follow step-by-step instructions to easily and quickly install a highly available two-node cluster Who This Book Is For With topic areas ranging from the simple to the complex, this book is

intended for novice, mid-level, and experienced administrators of the Oracle SOA Suite 12c platform as well as Oracle WebLogic Server and Oracle Database administrators interested in diving into the product. What You Will Learn

- Navigate Oracle Enterprise Manager Fusion Middleware Control Monitor and manage the Oracle SOA Suite 12 c infrastructure Deploy and promote code Monitor and manage services Configure and administer the environment Manage the dehydration store and enterprise scheduler service Troubleshoot Oracle SOA Suite 12c infrastructure Set up backups, recovery, and high availability In Detail

Oracle SOA Suite 12 c is the most comprehensive and integrated infrastructure on the market today that is used for building applications based on service-oriented architecture. With the vast number of features and capabilities that Oracle SOA Suite 12c has to offer comes numerous complexities and challenges for administration.

Oracle SOA Suite 12c Administrator's Guide covers all the core areas of administration needed for you to effectively manage and monitor the Oracle SOA Suite environment and its transactions, from deployments, to monitoring, to performance tuning, and much, much more. Manage, monitor, and troubleshoot SOA composites and OSB services from a single product set. Understand core administrative activities such as deployments, purging, startup and shutdown, configuration, backup, and recovery. Also learn about new features such as Oracle Enterprise Scheduler, lazy loading, work manager groups, high availability, and more. Style and approach Presented in a reference guide format where chapters can be read in any sequence, this book explains the core concepts while providing real-world implementation specifics, detailing the what, why, and how of all the administration-related activities that involve

Oracle SOA Suite 12c. We take a step-by-step approach and offers tips, instructions, and examples that you can easily follow and execute.

Pro Oracle Spatial - Ravikanth Kothuri 2004-11-15

* With Oracle 10g, for the first time, much of the Spatial functionality is provided for free (rather than as a priced option) in the database, thus massively increasing the potential audience. * Shows how any Oracle application that has a spatial element (e.g. postcode) can take advantage of Spatial functionality. * Contains case studies of more advanced applications of Spatial in healthcare, telecom ,retail, and distribution . *

Oracle Spatial is recognized to be the standard platform for enterprise land management, mapping, telecom, transportation, and utility applications. Every major GIS tool vendor supports Oracle Spatial and all major map data providers deliver their data in Oracle Spatial format. * The book will be based on extensive feedback from training

courses, discussion lists, and customers. It will recommend best practice approaches to the most common problems with which developers struggle. *

The authors are all experienced and well-respected experts.

The Oracle personnel contributing have a decade of experience with Spatial and in helping partners and customers fully leverage its capabilities. The technical reviewers include lead developers of the product. *

Rather than simplified code snippets, the book provides real solutions that people can then build upon themselves.

QuickBooks 2013 For Dummies - Stephen L. Nelson 2012-10-09

Get your business organized with QuickBooks Now more than ever, keeping track of every penny is crucial to making it in business. And the owners of thousands of small-to-mid-size businesses turn to QuickBooks to help them manage their finances without having to hire an outside accounting professional.

Bestselling author Stephen Nelson updates his popular

QuickBooks For Dummies to cover the latest revisions and enhancements to this leading small business accounting software package. After a quick review of bookkeeping basics, you'll discover how QuickBooks 2013 can help you build the perfect budget, process payroll, simplify your tax return prep work, create invoices, manage inventory, generate income statements, balance accounts, and much more. You'll learn what you should do before you install and set up QuickBooks, then move on to basic bookkeeping concepts and the fundamentals of building a solid budget. You'll also discover how to enter data, create invoices, record and print sales receipts, monitor your job costs, and generate most common financial reports with ease. Veteran author Stephen Nelson updates his perennial bestseller and offers you easy-to-understand coverage of the newest release of QuickBooks. Enables you to take control of managing your own business accounting and financial

management tasks so you can avoid having to hire expensive outside help. Provides expert advice for getting started with QuickBooks, building the perfect budget, processing payroll, creating invoices, managing inventory, tracking job costs, generating income statements, balancing accounts, creating financial reports, and more. Takes you through the steps of going online with QuickBooks, backing up your data, and simplifying tax preparation. QuickBooks 2013 For Dummies helps you take control of your financial management tasks. Big or small, your business will benefit!

Oracle Database 12c Security - Scott Gaetjen 2015-01-09
Best Practices for Comprehensive Oracle Database Security Written by renowned experts from Oracle's National Security Group, Oracle Database 12c Security provides proven techniques for designing, implementing, and certifying secure Oracle Database systems in a multitenant

architecture. The strategies are also applicable to standalone databases. This Oracle Press guide addresses everything from infrastructure to audit lifecycle and describes how to apply security measures in a holistic manner. The latest security features of Oracle Database 12c are explored in detail with practical and easy-to-understand examples.

Connect users to databases in a secure manner
Manage identity, authentication, and access control
Implement database application security
Provide security policies across enterprise applications using Real Application Security
Control data access with Oracle Virtual Private Database
Control sensitive data using data redaction and transparent sensitive data protection
Control data access with Oracle Label Security
Use Oracle Database Vault and Transparent Data Encryption for compliance, cybersecurity, and insider threats
Implement auditing technologies, including Unified Audit Trail
Manage security policies and

monitor a secure database environment with Oracle Enterprise Manager Cloud Control

Practical Guide to Large Database Migration - Preston Zhang 2019-03-27

It is a major challenge to migrate very large databases from one system, say for example, to transfer critical data from Oracle to SQL Server. One has to consider several issues such as loss of data being transferred, the security of the data, the cost and effort, technical aspects of the software involved, etc. There are very few books that provide practical tools and the methodology to migrate data from one vendor to another. This book introduces the concepts in database migration with large sample databases. It provides step by step guides and screenshots for database migration tools. Many examples are shown for migrating Oracle, SQL Server and MySQL databases.

Expert Oracle Enterprise Manager 12c - Kellyn Pot'Vin 2013-08-13

Enterprise Manager 12c (EM12c), Oracle's newest and fully-integrated enterprise management product, now provides a complete cloud lifecycle management solution and enterprise environment management interface. Expert Oracle Enterprise Manager 12c opens up the secrets of this incredible management tool, saving you time while enhancing your visibility as someone management can rely upon to deliver reliable database service in today's increasingly chaotic and change-driven IT environment. Expert Oracle Enterprise Manager 12c covers all the topics you demand and need to function effectively, from basic monitoring and configuration to advanced metric extensions and plugins. Real-life scenarios and demonstrations place you in the comfort zone of using the EM12c console, and the experienced author team provides deep understanding of the inner workings of this new Enterprise Manager. Database administrators and system administrators are expected to

offer increasing levels of service for 24X7 systems and newer cloud environments. Em12c offers robust, end-to-end intelligent management of the complete environment. It includes direct, real-time integration with Oracle's online knowledgebase. Expert Oracle Enterprise Manager 12c helps you master this important tool and manage any challenge that comes your way. Provides example solutions to everyday problems through EM12c features. Explains the changes in EM12c, included trusted extensions. Focuses on advanced aspects of the EM12c interface.

SCJD Exam with J2SE 5 -
Andrew Monkhouse
2006-11-22

* An update of the popular first edition, the second edition covers changes to the exam per the release of J2SE 5. * Co-authored by Mehran Habibi, member of the official Sun certification team, author of the first edition, and author of the Apress book Java Regular Expressions: Taming the java.util.regex Engine (Apress,

2004). * Guides the reader through a complete project implementation, familiarizing him with the key concepts, requirements, and pitfalls sure to come up in the exam.

Oracle Database Upgrade, Migration & Transformation Tips & Techniques - Edward Whalen 2015-06-12

A practical roadmap for database upgrade, migration, and transformation This Oracle Press guide provides best practices for migrating between different operating systems and platforms, transforming existing databases to use different storage or enterprise systems, and upgrading databases from one release to the next. Based on the expert authors' real-world experience, *Oracle Database Upgrade, Migration & Transformation Tips & Techniques* will help you choose the best migration path for your project and develop an effective methodology. Code examples and detailed checklists are included in this comprehensive resource. Leverage the features of Oracle

Data Guard to migrate an Oracle Database Use Oracle Recovery Manager, transportable tablespace sets, and transportable database toolsets to migrate between platforms Migrate databases with export/import Use Oracle GoldenGate for zero or near-zero downtime migrations Take advantage of the Cross-Platform Transportable Tablespace Set utility Migrate to new storage platforms using the features of Oracle Automatic Storage Management Upgrade to Oracle Database 12c with the Database Upgrade Assistant tool Move seamlessly to Oracle's engineered systems Migrate to the cloud *Expert Oracle Exadata* - Martin Bach 2015-08-29 *Expert Oracle Exadata*, 2nd Edition opens up the internals of Oracle's Exadata platform so that you can fully benefit from the most performant and scalable database hardware appliance capable of running Oracle Database. This edition is fully-updated to cover Exadata 5-2 and Oracle

Database 12c. If you're new to Exadata, you'll soon learn that it embodies a change in how you think about and manage relational databases. A key part of that change lies in the concept of offloading SQL processing to the storage layer. In addition there is Oracle's engineering effort in creating a powerful platform for both consolidation and transaction processing. The resulting value proposition in the form of Exadata has truly been a game-changer. Expert Oracle Exadata, 2nd Edition provides a look at the internals and how the combination of hardware and software that comprise Exadata actually work. Authors include Martin Bach, Andy Colvin, and Frits Hoogland, with contributions from Karl Arao, and built on the foundation laid by Kerry Osborne, Randy Johnson, and Tanel Poder in the first edition. They share their real-world experience gained through a great many Exadata implementations, possibly more than any other group of experts today. Always their goal is

toward helping you advance your career through success with Exadata in your own environment. This book is intended for readers who want to understand what makes the platform tick and for whom—"how" it does what it is does is as important as what it does. By being exposed to the features that are unique to Exadata, you will gain an understanding of the mechanics that will allow you to fully benefit from the advantages that the platform provides. This book changes how you think about managing SQL performance and processing. It provides a roadmap to successful Exadata implementation. And it removes the "black box" mystique. You'll learn how Exadata actually works and be better able to manage your Exadata engineered systems in support of your business. This book: Changes the way you think about managing SQL performance and processing Provides a roadmap to successful Exadata implementation Removes the

"black box" mystique, showing how Exadata actually works

Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard - Scott Jesse 2011-03-22

Leverage Oracle Database 11g Release 2 High Availability Features Protect your critical business assets and achieve maximum database uptime using the detailed information in this Oracle Press guide.

Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, Oracle Real Application Clusters, and Oracle Data Guard, Second Edition provides cost-effective solutions to current availability challenges. Discover how to grid-enable your IT framework, roll out Oracle Real Application Clusters, maintain standby databases, and deploy Oracle Flashback. Monitoring, tuning, and disaster recovery techniques are also covered in this comprehensive resource. Install Oracle Clusterware (as part of Oracle's grid

infrastructure) or upgrade from an earlier version Build test clusters and hosts using Oracle VM Work with Oracle Automatic Storage Management and Oracle Automatic Storage Management Cluster File System Create synchronized standby databases using Oracle Data Guard Reliably archive and restore data with Oracle Recovery Manager Use Oracle Flashback to identify and undo user errors Configure Oracle Enterprise Manager Grid Control for management of an Oracle maximum availability architecture environment *Getting Started with Oracle Data Integrator 11g* - David Hecksel 2012-01-01 Combine high volume data movement, complex transformations and real-time data integration with the robust capabilities of ODI in this practical guide.

Securing Oracle Database 12c: A Technical Primer eBook - Michelle Malcher 2013-12-23

This Oracle Press eBook is filled with cutting-edge

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

Oracle Database Upgrade and Migration Methods - Y V

Ravikumar 2017-03-01

Learn all of the available upgrade and migration methods in detail to move to Oracle Database version 12c. You will become familiar with database upgrade best practices to complete the upgrade in an effective manner and understand the Oracle Database 12c patching process. So it's time to upgrade Oracle Database to version 12c and you need to choose the appropriate method while considering issues such as downtime. This book explains all of the available upgrade and migration methods so you can choose the one that suits your environment. You will be aware

of the practical issues and proactive measures to take to upgrade successfully and reduce unexpected issues. With every release of Oracle Database there are new features and fixes to bugs identified in previous versions. As each release becomes obsolete, existing databases need to be upgraded. Oracle Database Upgrade and Migration Methods explains each method along with its strategy, requirements, steps, and known issues that have been seen so far. This book also compares the methods to help you choose the proper method according to your constraints. Also included in this book: Pre-requisite patches and pre-upgrade steps Patching to perform changes at the binary and database level to apply bug fixes What You Will Learn: Understand the need and importance of database upgrading and migration Be aware of the challenges associated with database upgrade decision making Compare all upgrade/migration methods

Become familiar with database upgrade best practices and recommendations Understand database upgrade concepts in high availability and multi-tenant environments Know the database downgrade steps in case the upgraded database isn't compatible with the environment Discover the features and benefits to the organization when it moves from the old database version to the latest database version Understand Oracle 12c patching concepts Who This Book Is For: Core database administrators, solution architects, business consultants, and database architects

Oracle Exadata Expert's Handbook - Tariq Farooq
2015-06-12

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. 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 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 Cloud

Mastering Oracle

GoldenGate - Ravinder Gupta
2016-11-01

Master Oracle GoldenGate technology on multiple database platforms using this step-by-step implementation guide. Learn about advanced features to use in building a robust, high-availability replication system. Provided are detailed illustration of Oracle GoldenGate concepts, GoldenGate tools and add-ons, as well as illustrative examples. The book covers Oracle GoldenGate for Oracle database, and also discusses

setup and configuration for other common databases such as IBM DB2, SYBASE ASE, MySQL, and Microsoft SQL Server. The technology landscape is fast-changing, and Mastering Oracle GoldenGate stays current by covering the new features included in Oracle GoldenGate 12c. The book covers both classic capture and integrated capture, as well as delivery. Also covered are Oracle GoldenGate security and performance tuning, to keep your system secure and performing at its best. You will learn to monitor your GoldenGate system using tools that come with Oracle GoldenGate management pack, as well as using shell scripts. Troubleshooting is well-illustrated with examples: Covering Oracle GoldenGate technology across common database brands
Discussing high-performing and secure replication environments
Speaking to replication in Big Data and cloud computing environments
What You Will Learn
Implement Oracle

GoldenGate for real time replication Secure and tune your replication environment for high performance Administer your Oracle GoldenGate environment Learn troubleshooting approaches with help of examples Make use of GoldenGate Management Pack and its API Feed live data into Big Data and cloud-based systems Who This Book Is For Database professionals who have chosen to ride the Oracle GoldenGate roller coaster for real-time replication solutions. The book is for beginners as well as professionals who are willing to master the leading replication technology in the industry. It is an excellent choice for professionals who are implementing or maintaining Oracle GoldenGate replication environments on any of the major database management system platforms.

Oracle Database 12c Release 2 Testing Tools and Techniques for Performance and Scalability

- Jim Czuprynski 2017-10-05

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. 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. 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. 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.

- 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

Expert Oracle RAC Performance Diagnostics and Tuning - Murali Vallath
2014-10-13

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

Oracle Exadata Survival Guide - David Fitzjarrell
2013-11-11

Describes what Exadata is and its available configurations for such features as smart scans, storage indexes, hybrid columnar compression, and Smart Flash Cache.

Pro Oracle GoldenGate for the DBA - Bobby Curtis 2016-08-24

Take a simple approach to learning the Oracle GoldenGate product. This approach provides the in-depth perspective of GoldenGate from an implementer's viewpoint; however, also addresses why the management viewpoint is important as well. Your journey through this book includes and architecture discussion of GoldenGate and the benefits of purchasing GoldenGate from a

management perspective. Then the book quickly moves into advanced implementation components associated with GoldenGate. You'll find many use-cases and instructions throughout the book to help with everything from easy to complex GoldenGate implementations. An Oracle GoldenGate implementation generally consists of a group project, involving both business and technical resources. Pro Oracle GoldenGate for the DBA provides the viewpoint from the DBA's vantage point. This approach provides the components of who, what, why, when, and how in defining the implementation and support of a GoldenGate project. The success of most technical projects require the support of multiple resource groups, and Pro Oracle GoldenGate for the DBA supplies the insight for the DBA member to understand the implementation and support process. Takes you through justification, installation, and support. Provides the DBA perspective toward a successful a result.

Covers from basic toward increasingly advanced implementations What You Will Learn Understand the core architecture of data replication using Oracle GoldenGate Implement a one-way setup of a classic capture and an integrated capture and replication Design, architect and implement a multi-master replication model Replicate unsupported data types using tokens Manage and troubleshoot multiple GoldenGate implementations New features of GoldenGate supported in Oracle 12c Who this Book is For Pro Oracle GoldenGate for the DBA is aimed squarely at Oracle database administrators who find themselves involved in GoldenGate integration projects. The book provides the DBA view into such projects, helping database administrators toward successful implementations and solid business results.

Oracle Database Upgrade, Migration & Transformation Tips & Techniques - Edward Whalen 2015-06-05

A practical roadmap for database upgrade, migration, and transformation This Oracle Press guide provides best practices for migrating between different operating systems and platforms, transforming existing databases to use different storage or enterprise systems, and upgrading databases from one release to the next. Based on the expert authors' real-world experience, Oracle Database Upgrade, Migration & Transformation Tips & Techniques will help you choose the best migration path for your project and develop an effective methodology. Code examples and detailed checklists are included in this comprehensive resource. Leverage the features of Oracle Data Guard to migrate an Oracle Database Use Oracle Recovery Manager, transportable tablespace sets, and transportable database toolsets to migrate between platforms Migrate databases with export/import Use Oracle GoldenGate for zero or near-zero downtime migrations Take

advantage of the Cross-Platform Transportable Tablespace Set utility Migrate to new storage platforms using the features of Oracle Automatic Storage Management Upgrade to Oracle Database 12c with the Database Upgrade Assistant tool Move seamlessly to Oracle's engineered systems Migrate to the cloud

Expert Oracle RAC 12c - Riyaj Shamsudeen 2013-08-13

Expert Oracle RAC 12c is a hands-on book helping you understand and implement Oracle Real Application Clusters (RAC), and to reduce the total-cost-of-ownership (TCO) of a RAC database. As a seasoned professional, you are probably aware of the importance of understanding the technical details behind the RAC stack. This book provides deep understanding of RAC concepts and implementation details that you can apply toward your day-to-day operational practices. You'll be guided in troubleshooting and avoiding trouble in your installation. Successful RAC

operation hinges upon a fast-performing network interconnect, and this book dedicates a chapter solely to that very important and easily overlooked topic. All four authors are experienced RAC engineers with a wealth of hard-won experience encountering and surmounting the challenges of running a RAC environment that delivers on its promise. In Expert Oracle RAC 12c they provide you a framework in which to avoid repeating their hard-won lessons. Their goal is for you to manage your own RAC environment with ease and expertise. Provides a deep conceptual understanding of RAC Provides best practices to implement RAC properly and match application workload Enables readers to troubleshoot RAC with ease What you'll learn Know when to apply RAC, and when not to Design applications to take advantage of RAC Troubleshoot and solve clusterware problems Manage database backup and recovery in RAC Stay on top of locking issues

and deadlock detection
Harness the performance from
parallel processing in RAC
Support your RAC environment
with a healthy network
interconnect Who this book is
for Expert Oracle RAC 12c is
for experienced Oracle
Database Administrators
(DBAs) who are ready to take
the next step in their career by
expanding their skill set to
include building and managing
Oracle Real Application
Clusters (RAC). DBAs and
architects who are in the
process of implementing RAC
can immensely benefit from
this book. It's an excellent
choice for DBAs to learn RAC
conceptually, understand best
practices, and become experts
in troubleshooting RAC
problems. Table of
Contents Overview of Oracle
RAC Clusterware Management
and Troubleshooting RAC
Operational Practices RAC
New Features Storage and
ASM Practices Application
Design Issues Managing and
Optimizing a Complex RAC
Environment Backup and
Recovery in RAC Network

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

Kafka Streams in Action - Bill
Bejeck 2018-08-29

Summary Kafka Streams in
Action teaches you everything
you need to know to implement
stream processing on data
flowing into your Kafka
platform, allowing you to focus
on getting more from your data
without sacrificing time or
effort. Foreword by Neha
Narkhede, Cocreator of Apache
Kafka Purchase of the print
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from Manning Publications.
About the Technology Not all
stream-based applications
require a dedicated processing
cluster. The lightweight Kafka
Streams library provides
exactly the power and
simplicity you need for
message handling in
microservices and real-time
event processing. With the
Kafka Streams API, you filter
and transform data streams

with just Kafka and your application. About the Book Kafka Streams in Action teaches you to implement stream processing within the Kafka platform. In this easy-to-follow book, you'll explore real-world examples to collect, transform, and aggregate data, work with multiple processors, and handle real-time events. You'll even dive into streaming SQL with KSQL! Practical to the very end, it finishes with testing and operational aspects, such as monitoring and debugging. What's inside Using the KStreams API Filtering, transforming, and splitting data Working with the Processor API Integrating with external systems About the Reader Assumes some experience with distributed systems. No knowledge of Kafka or streaming applications required. About the Author Bill Bejeck is a Kafka Streams contributor and Confluent engineer with over 15 years of software development experience. Table of Contents PART 1 - GETTING STARTED WITH KAFKA

STREAMS Welcome to Kafka Streams Kafka quicklyPART 2 - KAFKA STREAMS DEVELOPMENT Developing Kafka Streams Streams and state The KTable API The Processor APIPART 3 - ADMINISTERING KAFKA STREAMS Monitoring and performance Testing a Kafka Streams applicationPART 4 - ADVANCED CONCEPTS WITH KAFKA STREAMS Advanced applications with Kafka StreamsAPPENDIXES Appendix A - Additional configuration information Appendix B - Exactly once semantics **Temenos on IBM LinuxONE Best Practices Guide** - Deana Coble 2020-02-11 The world's most successful banks run on IBM®, and increasingly IBM LinuxONE. Temenos, the global leader in banking software, has worked alongside IBM for many years on banking deployments of all sizes. This book marks an important milestone in that partnership. Temenos on IBM LinuxONE Best Practices Guide shows financial organizations

how they can combine the power and flexibility of the Temenos solution with the IBM platform that is purpose built for the digital revolution.

Oracle Streams 11g Data Replication - Kirtikumar

Deshpande 2010-12-22

Master Oracle Streams 11g Replication Enable real-time information access and data sharing across your distributed framework using the expert information in this Oracle Press guide. Oracle Streams 11g Data Replication explains how to set up and administer a unified enterprise data sharing infrastructure. Learn how to capture, propagate, and apply database changes, transform data, and handle data conflicts. Monitoring, optimizing, and troubleshooting techniques are also covered in this comprehensive volume.

Understand Oracle Streams components and architecture Gain in-depth knowledge about capturing, propagating, and applying data manipulation language (DML) and data definition language (DDL) changes Learn how to access

and modify the contents of Logical Change Records Build custom procedures for data transformations Configure Oracle Streams replication for the database, schemas, and tables Tune Oracle Streams performance for improved throughput Manage and monitor Oracle Streams using Oracle Enterprise Manager Grid Control Learn from several practical examples and scripts

Oracle Exalogic Elastic Cloud Handbook - Tom Plunkett 2012-09-05

Achieve Extreme Application Performance for a Private Cloud with Oracle Exalogic Elastic Cloud Transition to a private cloud computing infrastructure and achieve unmatched levels of performance with help from this Oracle Press guide. Oracle Exalogic Elastic Cloud Handbook shows you how to plan, implement, and maintain a private cloud. Find out how to set up components, deploy Java applications, maximize redundancy and throughput, and migrate legacy workloads.

Examples, screenshots, and diagrams are included throughout this comprehensive resource. Configure Oracle Exalogic Elastic Cloud nodes and racks Optimize Java EE application performance on Oracle WebLogic Server Provision and administer a highly scalable private cloud Build, debug, and manage custom Java applications Secure, monitor, and tune using Oracle Enterprise Manager Leverage capabilities from Oracle Fusion Middleware Consolidate Oracle and third-party application workloads

Oracle Autonomous Database in Enterprise Architecture - Bal Mukund Sharma 2022-12-16

Get up to speed with Oracle's Autonomous Databases and implementation strategies for any workload or use case, including transactional, data warehousing, and non-relational databases Key Features Explore ADB, its business benefits, and architectural considerations Migrate the existing workload to ADB, explore high

availability, and use cloud native methods for monitoring and event notifications Leverage APEX, JSON, the REST API, and SQL Developer Web features for rapid development Book Description Oracle Autonomous Database (ADB) is built on the world's fastest Oracle Database Platform, Exadata, and is delivered on Oracle Cloud Infrastructure (OCI), customer data center (ExaCC), and Oracle Dedicated Region Cloud. This book is a fast-paced, hands-on introduction to the most important aspects of OCI Autonomous Databases. You'll get to grips with concepts needed for designing disaster recovery using standby database deployment for Autonomous Databases. As you progress, you'll understand how you can take advantage of automatic backup and restore. The concluding chapters will cover topics such as the security aspects of databases to help you learn about managing Autonomous Databases, along with exploring the features of

Autonomous Database security such as Data Safe and customer-managed keys for Vaults. By the end of this Oracle book, you'll be able to build and deploy an Autonomous Database in OCI, migrate databases to ADB, comfortably set up additional high-availability features such as Autonomous Data Guard, and understand end-to-end operations with ADBs. What you will learn Explore migration methods available for Autonomous Databases, using both online and offline methods Create standby databases, RTO and RPO objectives, and Autonomous Data Guard operations Become well-versed with automatic and manual backups available in ADB Implement best practices relating to network, security, and IAM policies Manage database performance and log management in ADB Understand how to perform data masking and manage encryption keys in OCI's Autonomous Databases Who this book is for This book is for decision makers, enterprise

cloud architects, solution consultants, cloud engineers, implementation partners, and technology students, as well as anyone who wants to learn about Oracle's Autonomous Databases delivered on Oracle Cloud Infrastructure (OCI). Beginner-level knowledge of Linux and OCI and networking concepts and databases, along with hands-on experience in OCI environments is required before getting started with this book.

Oracle Database 12c Backup and Recovery Survival Guide

- Francisco Munoz Alvarez
2013-09-24

The book follows a tutorial-based approach, covering all the best practices for backup and recovery. The book starts by introducing readers to the world of backup and recovery, then moves on to teach them the new features offered by Oracle 12c. The book is full of useful tips and best practices that are essential for any DBA to perform backup and recovery operations in an organization. This book is designed for Oracle DBAs and

system administrators. The reader will have a basic working experience of administering Oracle databases. This book is designed for Oracle DBAs and system administrators. This book will become a reference guide and will also help you to learn some new skills, and give you some new ideas you never knew about, helping you to easily find the solution to some of the most well-known problems you could encounter as DBAs.

Oracle High Availability, Disaster Recovery, and Cloud Services - YV Ravi Kumar 2019-05-16

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

Oracle GoldenGate 12c Implementer's Guide - John P Jeffries 2015-07-27

GoldenGate exchanges data among systems in a timely manner and meets the demand for real-time access to information regardless of volume. The new release, 12c, includes an optimized database, intelligent and integrated delivery capabilities, expanded heterogeneity, and tighter security. Perform zero downtime data migration to on-premise or public cloud with GoldenGate's feature-rich portfolio. Start with the installation and learn the design concepts and enhanced configuration of GoldenGate 12c. Exploit new 12c features to successfully implement GoldenGate on your enterprise. Dive deep into configuring GoldenGate for high availability, DDL support, and reverse processing. Build fast, secure, robust, scalable technical solutions by tuning data delivery and networks. Finally, enrich your data replication knowledge by learning the troubleshooting tips.

Oracle Database Cloud Cookbook with Oracle

Enterprise Manager 13c Cloud Control - Porus Homi Havewala
2016-11-22

This practical Oracle Press guide teaches 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 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-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

Charged Aerosol Detection for Liquid Chromatography and Related Separation Techniques

- Paul H. Gamache 2017-05-08
The first book devoted exclusively to a highly popular, relatively new detection technique Charged Aerosol Detection for Liquid Chromatography and Related Separation Techniques presents a comprehensive review of CAD theory, describes its advantages and limitations, and offers extremely well-informed recommendations for its

practical use. Using numerous real-world examples based on contributors' professional experiences, it provides priceless insights into the actual and potential applications of CAD across a wide range of industries. Charged aerosol detection can be combined with a variety of separation techniques and in numerous configurations. While it has been widely adapted for an array of industrial and research applications with great success, it is still a relatively new technique, and its fundamental performance characteristics are not yet fully understood. This book is intended as a tool for scientists seeking to identify the most effective and efficient uses of charged aerosol detection for a given application. Moving naturally from basic to advanced topics, the author relates fundamental principles, practical uses, and applications across a range of industrial settings, including pharmaceuticals, petrochemicals, biotech, and

more. Offers timely, authoritative coverage of the theory, experimental techniques, and end-user applications of charged aerosol detection Includes contributions from experts from various fields of applications who explore CAD's advantages over traditional HPLC techniques, as well its limitations Provides a current theoretical and practical understanding of CAD, derived from authorities on aerosol technology and separation sciences Features numerous real-world examples that help relate fundamental properties and general operational variables of CAD to its performance in a variety of conditions Charged Aerosol Detection for Liquid Chromatography and Related Separation Techniques is a valuable resource for scientists who use chromatographic techniques in academic research and across an array of industrial settings, including the biopharmaceutical, biotechnology, biofuel, chemical, environmental, and

food and beverage industries, among others.

Oracle DBA Mentor - Brian Peasland 2019-03-29

New Oracle database administrators can get off the ground running. This book helps you develop the ability to think on your feet and move focus in an instant from arcane syntax details to broad, corporate issues. Along the way, you will see how to create your first database and implement best practices to ensure a well-running database system. What makes Oracle DBA Mentor different is that it also teaches you how to obtain answers that are not found in this or other books. Focus is given to creating a test bed and running test cases to examine hypotheses and prove out solutions so you can be sure they work in production. Attention is given to navigating product documentation and networking in forums and social media to build your skills and a network to draw on when solving problems under pressure. There are chapters of step-by-step technical content

as well as coverage of essential skills to succeed as a DBA no matter which database engine you administer. By the time you are done reading this book, you will have confidence to face many of the situations thrown in your direction. You will know where to go for the answers you don't yet know that you need. You'll be able to work and troubleshoot under pressure. You'll know how to create a database, institute backup and recovery procedures, secure the database and its valuable corporate data, and acquire more knowledge as needed so you can run a database to meet the needs of your organization.

What You'll Learn

- Install Oracle Database with best practices
- Implement backup and recovery procedures
- Understand the fundamentals of databases and data security
- Find answers to technical problems using Oracle documentation, Oracle Support, and other resources
- Patch and upgrade an Oracle database

Who This Book Is For

The novice database

administrator who wants help getting off the ground with their DBA career, and in building the skills to let that career flourish in the long term. Mid-level DBAs will also find the book helpful as they try to grow their career to the next level. While the book is geared toward the Oracle platform, database administrators from other platforms can benefit from the soft skills covered in this book.

[Oracle GoldenGate 12c Implementer's Guide](#) - John P. Jeffries 2015-07-27

The book is aimed at Oracle database administrators, project managers, and solution architects who wish to extend their knowledge of GoldenGate. The reader is assumed to be familiar with Oracle databases. No knowledge of GoldenGate is required.

Oracle Database Problem Solving and Troubleshooting Handbook - Tariq Farooq 2016-04-04

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. 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. Every solution is crafted to help experienced Oracle DBAs and DMAs understand and fix serious problems as rapidly as possible. 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. 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. 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.com/register for convenient access to downloads, updates, and corrections as they become available.

Implementing Oracle Integration Cloud Service - Robert van Molken 2017-01-20 Understand everything you need to know about Oracle's Integration Cloud Service and how to utilize it optimally for your business About This Book The only guide to Integration Cloud Service in the market Focused on practical action to deliver business value A professional's guide to an expensive product, providing

comprehensive training, and showing how to extract real business value from the product Who This Book Is For This book is ideal for any IT professional working with ICS, any Oracle application or cloud solution developer or analyst who wants to work with ICS to deliver business value. What You Will Learn Use ICS to integrate different systems together without needing to be a developer Gain understanding of what a number of technologies and standards provide - without needing to understand the fine details of those standards and technologies Understand the use of connectors that Oracle provide from technology based connections such as file and database connections to SaaS solutions ranging from Salesforce to Twitter Enrich data and extend SaaS integration to route to different instances Utilize a number of tools to help develop and check that your integrations work before connecting to live systems Introduce and explain integration concepts so that

the integrations created are maintainable and sustainable for the longer term Provide details on how to keep up to date with the features that Oracle and partners provide in the future Get special connections developed to work with ICS In Detail Businesses are built on data, and applications that access that data. In modern businesses the same cloud-based data stores and applications might be accessed by hundreds of different applications from thousands of different devices via APIs. To make this happen, APIs must be wired together i.e. integrated. Oracle Integration Cloud Service provides a complete method for integrating enterprise applications in the cloud. Integration Cloud Service (ICS) provides a cloud hosted means to integrate systems together using a graphical means to define and represent integrations. This book will be a comprehensive, hands-on guide to building successful, high-availability integrations on ICS. This book sets out to

demonstrate how ICS can be used to effectively implement integrations that work both in the cloud and on premise. It starts with a fast, practical introduction to what ICS can do for your business and then shows how ICS allows you to develop integrations not only quickly but in a way that means they are maintainable and extensible. Gradually it moves into more advanced integrations, showing how to achieve sophisticated results with ICS and work with external applications. Finally the book shows you how to monitor cloud apps and go beyond ICS to build even more powerful integrated applications. By the end of the book, you will the knowledge on how to use ICS to solve your own integration needs and harness the technologies in a maintainable and sustainable manner. Style and approach This book will take a pragmatic approach and will be a business-focused guide to delivering business value with ICS.

Oracle Essentials - Rick

Greenwald 2013-05-15

Written by experienced Oracle insiders, this essential guide distills a vast amount of information into an easy-to-read volume that covers every aspect of the Oracle database. Readers of all technical levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning and much more.

Augmented with illustrations and helpful hints, the fifth edition of Oracle Essentials offers a valuable one-stop overview of Oracle Database 12c, Oracle's newest database release. More comprehensible than huge complete references, and more detailed than most primers, this book gives current Oracle users the conceptual background they need to understand how the Oracle database truly works. For those new to Oracle, this all-in-one guide provides an essential introduction that will get them up to speed.

Next Generation Databases - Guy Harrison 2015-12-30

"It's not easy to find such a generous book on big data and databases. Fortunately, this book is the one." Feng Yu. Computing Reviews. June 28, 2016. This is a book for enterprise architects, database administrators, and developers who need to understand the latest developments in database technologies. It is the book to help you choose the correct database technology at a time when concepts such as Big Data, NoSQL and NewSQL are making what used to be an easy choice into a complex decision with significant implications. The relational database (RDBMS) model completely dominated database technology for over 20 years. Today this "one size fits all" stability has been disrupted by a relatively recent explosion of new database technologies. These paradigm-busting technologies are powering the "Big Data" and "NoSQL" revolutions, as well as forcing fundamental changes in databases across the board. Deciding to use a relational database was once truly a no-

brainer, and the various commercial relational databases competed on price, performance, reliability, and ease of use rather than on fundamental architectures. Today we are faced with choices between radically different database technologies. Choosing the right database today is a complex undertaking, with serious economic and technological consequences. Next Generation Databases demystifies today's new database technologies. The book describes what each technology was designed to solve. It shows how each technology can be used to solve real world application and business problems. Most importantly, this book highlights the architectural differences between technologies that are the critical factors to consider when choosing a database platform for new and upcoming projects. Introduces the new technologies that have revolutionized the database landscape Describes how each

technology can be used to solve specific application or business challenges Reviews the most

popular new wave databases and how they use these new database technologies