



Oracle Database 12c New Features

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Oracle Database 12c New Features

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Oracle Database 12c New Features:

Expert Consolidation in Oracle Database 12c Martin Bach, 2014-01-23 Expert Consolidation in Oracle Database 12c is your key to reducing data management costs and increasing data center efficiency Consolidation and cloud computing are converging trends sweeping the industry The same technologies enabling cloud computing enable consolidation as well leading to savings on all fronts from the amount of power used for servers to the amount of floor space consumed to the number of administrators needed to manage an installation Yet the consolidation process can be a long and winding road Success requires planning and consideration to the impacts on supporting infrastructure Expert Consolidation in Oracle Database 12c guides you through planning and implementing a consolidated Oracle Database installation using the many new features built into the latest release of Oracle's database management system You'll learn to identify candidates for consolidation and to recognize instances that are best left stand alone The book guides in working with clustered systems and ASM storage in the consolidated environment Focus is given to Oracle Enterprise Manager 12c Cloud Control as a monitoring and management dashboard Always the goal is to drive towards a cost effective environment that is efficient both in technology and people Focuses on the new consolidation features in Oracle Database 12c Helps you evaluate and correctly decide when to consolidate Leads to cost savings and improved data center efficiency

Oracle Database 12c Release 2 New Features Bob Bryla, Robert G. Freeman, 2017-04-24 Leverage the New and Improved Features of Oracle Database 12c Written by Oracle experts Bob Bryla and Robert G Freeman this Oracle Press guide describes the myriad new and enhanced capabilities available in the latest Oracle Database release Inside you'll find everything you need to know to get up and running quickly on Oracle Database 12c Release 2 Supported by contributions from Oracle expert Eric Yen Oracle Database 12c Release 2 New Features offers detailed coverage of Installing Oracle Database 12c and Grid Infrastructure Architectural changes such as Oracle Multitenant The most current information on upgrading and migrating to Oracle Database 12c The pre upgrade information tool and parallel processing for database upgrades Oracle Real Application Clusters new features such as Oracle Flex Cluster Oracle Flex Automatic Storage Management and Oracle Automatic Storage Management Cluster File System Enhanced and new online operations tables indexes and PDBs Oracle RMAN enhancements including cross platform backup and recovery Oracle Data Guard improvements such as Fast Sync and Oracle Active Data Guard new features such as Far Sync SQL PL SQL DML and DDL new features Improvements to partitioning manageability performance and availability Advanced business intelligence and data warehousing capabilities Security enhancements including privileges analysis data redaction and new administrative level privileges Manageability performance and optimization improvements

Oracle 12c Lutz Fröhlich, 2014-08-01 Dieses Buch wurde auf Basis der Schwerpunkte und neuen Features der Version 12c neu strukturiert und gestaltet Es richtet sich an fortgeschrittene und erfahrene Datenbankadministratoren Systemberater und Architekten und nicht zuletzt an Entwickler von Oracle Applikationen Es ist gleichermaßen auch für

Einsteiger gedacht die bereits grundlegende Kenntnisse in der IT besitzen und beginnen wollen sich in die Oracle Welt einzuarbeiten Das Buch ist Handbuch und Nachschlagewerk f r alle die sich mit Planung Einsatz und Administration von Oracle Datenbanken besch ftigen Der Beiname Cloud Control weist auf den Schwerpunkt der neuen Version von Oracles Datenbank Software hin Damit folgt Oracle dem allgemeinen IT Trend und setzt die Idee des Cloud Computing im Datenbankbereich konsequent um Die Umsetzung wurde wie nicht anders zu erwarten wesentlich durch den Enterprise Manager der auch den Namen Cloud Control erhalten hat vorgenommen Konsequenterweise wurde dem Enterprise Manager 12c eine zentrale Rolle und ein ausreichender Umfang in diesem Buch zugewiesen *Oracle Database 12c New Features* Robert G. Freeman,2013-12-13 Maximize the New and Improved Features of Oracle Database 12c Written by Master Principle Database Expert Oracle and Oracle ACE Robert G Freeman this Oracle Press guide describes the myriad new and enhanced capabilities available in the latest Oracle Database release Inside you ll find everything you need to know to get up and running quickly on Oracle Database 12c Supported by running commentary from world renowned Oracle expert Tom Kyte and with additional contributions by Oracle experts Eric Yen and Scott Black Oracle Database 12c New Features offers detailed coverage of Installing Oracle Database 12c Architectural changes such as Oracle Multitenant The most current information on upgrading and migrating to Oracle Database 12c The pre upgrade information tool and parallel processing for database upgrades Oracle Real Application Clusters new features such as Oracle Flex Cluster Oracle Flex Automatic Storage Management and Oracle Automatic Storage Management Cluster File System Oracle RMAN enhancements including cross platform backup and recovery Oracle Data Guard improvements such as Fast Sync and Oracle Active Data Guard new features such as Far Sync SQL PL SQL DML and DDL new features Improvements to partitioning manageability performance and availability Advanced business intelligence and data warehousing capabilities Security enhancements including privileges analysis data redaction and new administrative level privileges Manageability performance and optimization improvements **Oracle Database 12c Backup and Recovery Survival Guide** Francisco Munoz Alvarez,Aman Sharma,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 Database 12c Install, Configure & Maintain Like a Professional** Ian Abramson,Michael Abbey,Michelle Malcher,Michael J. Corey,2013-10-14 Master the Fundamentals of Oracle Database 12c Filled with easy to

follow tutorials this Oracle Press guide provides detailed coverage of core database concepts the role of the administrator and enterprise database capabilities Oracle Database 12c Install Configure Maintain Like a Professional walks you through database configuration administration programming backup and recovery and high availability You ll get in depth introductions to SQL and PL SQL as well as important information on managing large databases and using Oracle s engineered systems This essential beginner s resource features Critical Skills Lists of specific skills covered in each chapter Projects Practical exercises that show how to apply the critical skills learned in each chapter Progress Checks Quick self assessment sections to check your progress Ask the Expert Q A sections filled with helpful tips Notes Extra information related to the topic being covered Mastery Checks Chapter ending quizzes to test your knowledge Protecting Oracle Database 12c Paul Wright,2014-04-19 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 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 *ORACLE DATABASE 12C HANDS-ON SQL AND PL/SQL, Second Edition* ASNANI, SATISH,2015-11-15 The book teaches the basics of the Oracle database from a beginner s perspective to the advanced concepts using a hands on approach Each and every concept has been elaborated with suitable practical examples along with code for clear and precise understanding of the topic Using a practical approach this new edition of the book covers the detailed introspection of pluggable databases and explains practically the various new features incorporated in the new 12c version It also explains how to retrieve add update and delete data in the Oracle database using SQL SQL PLUS and PL SQL In the process it discusses the various data types and built in functions of Oracle as well as the sorting of records and the table operations The text also includes coverage of advanced queries using special operators Oracle security indexing and stored functions and procedures The book is suitable for undergraduate engineering students of Computer Science and Information Technology B Sc Computer Science IT M Sc Computer Science IT and students of Computer Applications BCA MCA PGDCA and DCA Besides the book can be used as a reference by professionals pursuing short term courses on Oracle Database and students of Oracle Certified Courses KEY FEATURES Based on latest Oracle Database 12c It explains the various features introduced with the new Oracle Database 12c software Hands on methodology Its objective is to impart practical skills using hands on methodology Elaborate Practical Examples Each topic begins with appropriate theory and concept followed by relevant examples for better understanding of the concepts Commands tested and executed on Oracle Database software All the programming examples have been tested

on actual Oracle Database software **RMAN Recipes for Oracle Database 12c** Darl Kuhn, Sam Alapati, Arup Nanda, 2013-07-16 RMAN Recipes for Oracle Database 12c is an example driven approach to the Oracle database administrator's 1 job responsibility Be able to recover the database Of all the things you are responsible for as database administrator nothing is more important than the data itself Like it or not the fearsome responsibility of protecting your organization's most critical data falls squarely upon your shoulders Lose that data and your company could fail Lose that data and you could be out of a job Oracle's flagship database product fortunately implements a wide ranging feature set to aid you in the all important task of safeguarding against data loss Recovery Manager or RMAN is at the heart of that feature set and is the tool most often used to initiate database backup and recovery operations In this book well known authors and database experts Darl Kuhn Sam Alapati and Arup Nanda have created a set of examples encompassing the gamut of backup and recovery tasks that you might need to perform Sometimes especially when the heat is on a good example is what you need to get started towards a solution RMAN Recipes for Oracle Database 12c delivers It'll be the book you reach for when that dreaded call comes in at 3 00am some dreary morning It'll be the book that lets you sleep at night knowing that no matter what transpires that you've done your job well and can recover from any outage RMAN Recipes for Oracle Database 12c gets right to the point with quick and easy to read step by step solutions that can help you backup and recover your data with confidence What you'll learn Reliably back up and recover your database using Oracle's Recovery Manager Let Oracle Database manage your backup files via the Fast Recovery Area Automate backup and recovery tasks by writing scripts Troubleshoot RMAN problems and optimize RMAN performance Recover from the loss of a control file loss of an online redo log and from other unusual situations Who this book is for RMAN Recipes for Oracle Database 12c is aimed squarely at Oracle database administrators responsible for database backup and recovery operations Table of Contents Backup and Recovery 101 Jump Starting RMAN Using the Fast Recovery Area Using RMAN Configuring the RMAN Environment Using the Recovery Catalog Making Backups with RMAN Maintaining RMAN Backups and the Repository Scripting RMAN Restoring the Control File Performing Complete Recovery Performing Incomplete Recovery Performing Flashback Recovery Handling Online Redo Log Failures Duplicating Databases and Transporting Data Tuning RMAN Troubleshooting RMAN Implementing Oracle Secure Backup Performing Backup and Recovery with Enterprise Manager Using the Data Recovery Advisor Using RMAN on Windows DataGuard RMAN and RAC RMAN and ASM RMAN and Exadata Advanced Oracle PL/SQL Developer's Guide Saurabh K. Gupta, 2016-02-15 Master the advanced concepts of PL SQL for professional level certification and learn the new capabilities of Oracle Database 12c About This Book Learn advanced application development features of Oracle Database 12c and prepare for the 1Z0 146 examination Build robust and secure applications in Oracle PL SQL using the best practices Packed with feature demonstrations and illustrations that will help you learn and understand the enhanced capabilities of Oracle Database 12c Who This Book Is For This book is for Oracle developers responsible for

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OCP: Oracle Database 12c Administrator Certified Professional Study Guide Robert G. Freeman,Charles A. Pack,2014-08-08 An updated guide for an updated certification exam As the most popular database software in the world Oracle Database 12c has been updated for the first time in nearly six years and the changes are significant This study guide reviews how Oracle 12c allows multiple instances to be used simultaneously via the cloud You'll sharpen your skills to prepare for the three levels of certification Oracle Certified Associate Oracle Certified Professional and Oracle Certified Master Workbook exercise appendix test engine chapter review questions electronic flashcards searchable PDF glossary and two bonus practice exams all help to enhance your preparation to take the Oracle 12c exam Addresses such topics as database architecture configuring and recoverability configuring backup specifications and performing user managed backup and recovery Reviews how to use RMAN to create backups perform recovery and duplicate a database Looks at performing

tablespace point in time recovery and using flashback technology Covers diagnosing the database managing memory managing resources and automating tasks Focusing 100 percent on the exam objectives OCP Oracle Database 12c Administrator Certified Professional Study Guide is designed for those who feel they are ready to attempt this challenging exam

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 Exadata Expert's Handbook Tariq Farooq, Charles Kim, Nitin Vengurlekar, Sridhar Avantsa, Guy Harrison, Syed Jaffar Hussain, 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

Oracle Database 12c Release 2 Performance Tuning Tips & Techniques Richard Niemiec, 2017-03-22 Proven Database Optimization Solutions Fully Updated for Oracle Database 12c Release 2 Systematically identify and eliminate database performance problems with help from Oracle Certified Master Richard Niemiec Filled with real world case studies and best practices Oracle Database 12c Release 2 Performance Tuning Tips and Techniques details the latest monitoring troubleshooting and optimization methods Find out how to identify and fix

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Pro Oracle Database 12c Administration Darl Kuhn,2013-07-15 Manage and safeguard your organization s data Cover [Oracle Enterprise Manager Cloud Control 12c](#) Porus Homi Havewala,2012-01-01 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 Database Team manager who wants to take advantage of the automation and compliance benefits of Enterprise Manager 12c Cloud Control then Oracle Enterprise Mana

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

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