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Oracle Data Guard Oracle Data Guard 11g Handbook Oracle Data Guard 11gR2 Administration Beginner's Guide *Migration einer Oracle Datenbank unter bestimmten Kriterien mit Data Guard GoldenGate* Hochverfügbarkeit von Datenbanken aus wirtschaftlicher und technologischer Perspektive am Beispiel von Oracle Data Guard **Oracle Database 10g High Availability with RAC, Flashback & Data Guard** Oracle-10g-Hochverfügbarkeit Oracle Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard Oracle High Availability, Disaster Recovery, and Cloud Services **Oracle 10g Der Oracle DBA** Oracle 12c Oracle Database 11g Oracle 10g für den DBA **Expert Consolidation in Oracle Database 12c** Oracle Backup und Recovery - Das Praxisbuch **Oracle Database 12c DBA Handbook Oracle Database 12c New Features** Oracle 19c/20c Expert Consolidation in Oracle Database 12c **Oracle Database 12c Release 2 Multitenant Oracle Database 12c Backup and Recovery Survival Guide** Oracle Database Upgrade and Migration Methods **Oracle on LinuxONE Practical Oracle Database Appliance Oracle Essentials** Expert Oracle Database 10g Administration **Oracle Database Cloud Cookbook with Oracle Enterprise Manager 13c Cloud Control Oracle Solaris Cluster Essentials Experiences with Oracle 11gR2 on Linux on System z** Oracle Enterprise Manager 10g Grid Control Handbook **Oracle 11g Release 2 für den DBA** Oracle SQL Tuning with Oracle SQLTXPLAIN **Practical Oracle Database Appliance** Oracle Database Performance and Scalability **Beginning Oracle Database 11g Administration Expert Oracle GoldenGate** Oracle Database 10g DBA Handbook *Das große Oracle Datenbank-Einsteigerbuch.* Oracle 11g R1/R2 Real Application Clusters Essentials

Practical Oracle Database Appliance Dec 25 2019 "Easy-to-manage deployment and virtualization"--cover.

Expert Oracle GoldenGate Sep 21 2019 Expert Oracle GoldenGate is a hands-on guide to creating and managing complex data replication environments using the latest in database replication technology from Oracle. GoldenGate is the future in replication technology from Oracle, and aims to be best-of-breed. GoldenGate supports homogeneous replication between Oracle databases. It supports heterogeneous replication involving other brands such as Microsoft SQL Server and IBM DB2 Universal Server. GoldenGate is high-speed, bidirectional, highly-parallelized, and makes only a light impact on the performance of databases involved in replication. The authors share their experience in the form of tutorials on designing and implementing all types of Oracle GoldenGate environments. You'll learn methods for tuning Oracle GoldenGate performance. You'll discover GoldenGate's utility as a migration and extract, transform, load (ETL) tool. You'll learn to configure highly-available environments involving GoldenGate, Real Application Clusters, and Data Guard. From installation to design to implementation and troubleshooting, Expert Oracle GoldenGate helps you master all aspects of using and applying Oracle GoldenGate as the replication tool of choice in your environment. Explains all aspects of using GoldenGate for replication Covers homogeneous, heterogeneous, and bidirectional replication Shows the use of GoldenGate for data migration and extract, transform, load (ETL)

Oracle 10g für den DBA Sep 14 2021

Oracle Data Guard 11g Handbook Sep 26 2022 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 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 seamless database and application failover Minimize planned downtime using Oracle Data Guard switchover Handle backup and recovery with Oracle Recovery Manager

Experiences with Oracle 11gR2 on Linux on System z Apr 28 2020 Linux on System z offers many advantages to customers who rely on the IBM® mainframe systems to run their businesses. Linux on System z makes use of the qualities of service in the System z® hardware and in z/VM®, making it a robust industrial strength Linux. This provides an excellent platform for hosting Oracle solutions that run in your enterprise. This IBM Redbooks® publication is divided into several sections to share the following experiences that are gained while Oracle Database 11gR2 is installed and tested: Setting up Red Hat Enterprise Linux 6 for Oracle Managing an Oracle on Linux on System z environment Provisioning Linux guests using several tools It also

includes many general hints and tips for running Oracle products on IBM System z with Linux and z/VM. Interested readers include database consultants, installers, administrators, and system programmers. This book is not meant to replace Oracle documentation but to supplement it with our experiences while Oracle products are installed and used.

Expert Oracle Database 10g Administration Aug 01 2020 *One-stop reference for administration and management of Oracle 10g Database *9i predecessor was a best seller; this edition covers all new features, with fully field-tested examples—not just "showcase" examples *Contains essential primers on Unix, Linux and Windows NT management and on SQL and PL/SQL programming; ideal for new/aspiring DBAs

Oracle Solaris Cluster Essentials May 30 2020 Thousands of IT organizations have adopted clustering to improve the availability of mission-critical software services. Today, with the rapid growth of cloud computing environments, clustering is even more crucial. Now, there's a comprehensive, authoritative guide to the industry's most stable, robust clustering platform: the Oracle Solaris Cluster. Oracle® Solaris Cluster Essentials thoroughly covers both Oracle Solaris Cluster 3.2 and Oracle Solaris Cluster Geographic Edition, offering start-to-finish lifecycle guidance for planning, implementation, management, and troubleshooting. Authored by Oracle Solaris Cluster expert Tim Read, this book covers both high availability and disaster recovery features, and offers detailed guidance for both Oracle and non-Oracle database environments. It also presents several example implementations that can be used to quickly construct effective proofs-of-concept. Whether you're new to clustering or upgrading from older solutions, this book brings together all the information you'll need to maximize the value, reliability, and performance of any Oracle Solaris Cluster environment. You'll learn how to Understand Oracle Solaris Cluster's product features and architecture, and their implications for design and performance Establish requirements and design clustered systems that reflect them Master best practices for integrating clustering with virtualization Implement proven disaster recovery planning techniques Efficiently maintain Oracle Solaris Cluster environments Part of the Solaris System Administration Series, Oracle® Solaris Cluster Essentials combines a complete technology introduction and hands-on guide for every architect, administrator, and IT manager responsible for high availability and business continuity. **Oracle Enterprise Manager 10g Grid Control Handbook** Mar 28 2020 Master Oracle Enterprise Manager 10g Grid Control Centralize and simplify enterprise infrastructure administration using the detailed information contained in this Oracle Press guide. Oracle Enterprise Manager 10g Control Handbook shows you how to implement a grid-based management system and maintain on-demand access to critical services. Develop rollout plans, configure hardware and software, deploy targets and agents, control access, and distribute business reports. This authoritative resource also explains how to generate reliable backups, implement top-down performance monitoring, and maximize system availability. Plan and carry out an Oracle Enterprise Manager 10g Grid Control rollout Set up customized metrics, alerts, thresholds, targets, and agents Manage IT resources from a centralized control console or the command line Manage your infrastructure using secure protocols Automate administrative tasks with Oracle's management agent Distribute business intelligence using the reporting and dashboard features Work with Oracle Enterprise Manager Database Control and Oracle Real Application Clusters Build physical and logical standby databases using Oracle Data Guard

Oracle 12c Nov 16 2021 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 für alle, die sich mit Planung, Einsatz und Administration von Oracle-Datenbanken beschäftigen. 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 May 10 2021 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 Cloud Cookbook with Oracle Enterprise Manager 13c Cloud Control Jun 30 2020 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

Hochverfügbarkeit von Datenbanken aus wirtschaftlicher und technologischer Perspektive am Beispiel von Oracle Data Guard Jun 23 2022 Masterarbeit aus dem Jahr 2010 im Fachbereich Informatik - Wirtschaftsinformatik, Note: 2.0, FernUniversität Hagen, Sprache: Deutsch, Abstract: Es werden Hochverfügbarkeitslösungen für Oracle Datenbanken verglichen. Die technische Detailtiefe ist hinreichend für eine technisch fundierte Entscheidung, die jedoch von ökonomischen und organisatorischen Gesichtspunkten geleitet ist. Die Arbeit kann also zur Entscheidungsfindung zwischen alternativen Hochverfügbarkeitslösungen (Data Guard, RAC, Extended RAC, Remote Mirroring) dienen. Sie kann auch als Argumentationshilfe für den Einsatz von Data Guard verwendet werden - diese Lösung wird für den Fall favorisiert, dass Hochverfügbarkeit/Desaster Recovery die

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hauptsächliche Geschäftsanforderung ist. Der Autor hat über 12 Jahre Erfahrung mit Oracle Datenbanken, ist Oracle Certified Master und als Senior Principal Instructor bei Oracle angestellt.

Oracle-10g-Hochverfügbarkeit Apr 21 2022

Oracle on LinuxONE Nov 04 2020 Oracle Database 12c running on Linux is available for deployment on IBM® LinuxONE. The enterprise-grade Linux on LinuxONE solution is designed to add value to Oracle Database solutions, including the new functions that are introduced in Oracle Database 12c. In this IBM Redbooks® publication, we explore the IBM and Oracle Alliance and describe how Oracle Database benefits from LinuxONE. We then explain how to set up Linux guests to install Oracle Database 12c. We also describe how to use the Oracle Enterprise Manager Cloud Control Agent to manage Oracle Database 12c Release 1. Additionally, we discuss encryption for Oracle using Oracle Transparent Data Encryption (TDE) on Oracle 12c Release 2. We also describe a successful consolidation project from sizing to migration, performance management topics, and high availability. Finally, we end with a chapter about surrounding Oracle with Open Source software. The audience for this publication includes database consultants, installers, administrators, and system programmers. This publication is not meant to replace Oracle documentation, but to supplement it with our experiences while installing and using Oracle products.

Expert Consolidation in Oracle Database 12c Aug 13 2021 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 What you'll learn Master the new consolidation and cloud features in Oracle Database 12c Correctly decide when to consolidate and when to remain standalone Reduce cost by reducing demand for rack space, power, and floor space Streamline administration with Oracle Enterprise Manager 12c Cloud Control Ensure the correct supporting infrastructure for a rock-solid environment Safeguard your new consolidate infrastructure from disaster and data loss Who this book is for Expert Consolidation in Oracle Database 12c is aimed at database administrators involved in consolidation efforts, or who are interested in exploring Oracle Database 12c's strong support for consolidation and cloud computing. Table of Contents1. Consolidation as an Industry Trend 2. Oracle 12c New Features 3. Supporting Hardware 4. Supporting Software 5. Installing Oracle Linux 6. Installing Oracle Database 7. Pluggable Databases 8. Monitoring the Hosting Platform 9. Learning About Data Guard 10. Implementing Data Guard 11. Backup and Recovery 12. Upgrading to Oracle 12c

Oracle SQL Tuning with Oracle SQLTXPLAIN Jan 26 2020 Learn through this practical guide to SQL tuning how Oracle's own experts do it, using a freely downloadable tool called SQLTXPLAIN. This new edition has been expanded to include AWR, Oracle 12c Statistics, interpretation of SQL Monitor reports, Parallel execution, and Exadata-related features. Reading this book and using SQL helps you learn to tune even the most complex SQL, and you'll learn to do it quickly, without the huge learning curve usually associated with tuning as a whole. Firmly based in real-world problems, this book helps you reclaim system resources and avoid the most common bottleneck in overall performance, badly tuned SQL. You'll learn how the optimizer works, how to take advantage of its latest features, and when it's better to turn them off. Best of all, the book is updated to cover the very latest feature set in Oracle Database 12c. Covers AWR report integration Helps with SQL Monitor Report Interpretation Provides a reliable method that is repeatable Shows the

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very latest tuning features in Oracle Database 12c Enables the building of test cases without affecting production What You'll Learn Identify how and why complex SQL has gone wrong Correctly interpret AWR reports generated via SQLTXPLAIN Collect the best statistics for your environment Know when to invoke built-in tuning facilities Recognize when tuning is not the solution Spot the steps in a SQL statement's execution plan that are critical to performance of that statement Modify your SQL to solve performance problems and increase the speed and throughput of production database systems Who This Book Is For divAnyone who deals with SQL and SQL tuning. Both developers and DBAs will benefit from learning how to use the SQLTXPLAIN tool, and from the problem solving methodology in this book.

Oracle Data Guard 11gR2 Administration Beginner's Guide Aug 25 2022 Using real-world examples and hands-on tasks, Oracle Data Guard 11gR2 Administration Beginner's Guide will give you a solid foundation in Oracle Data Guard. It has been designed to teach you everything you need to know to successfully create and operate Data Guard environments with maximum flexibility, compatibility, and effectiveness. If you are an Oracle database administrator who wants to configure and administer Data Guard configurations, then "Oracle Data Guard 11gR2 Administration Beginner's Guide" is for you. With a basic understanding of Oracle database administration, you'll be able to easily follow the book.

Oracle Database 10g High Availability with RAC, Flashback & Data Guard May 22 2022 This text concentrates on explaining 10g technologies and practices to database administrators; covering general availability; real application clusters (RAC); disaster planning and recovery; and distributed database solutions. --

Oracle 10g Jan 18 2022

Expert Consolidation in Oracle Database 12c Mar 08 2021 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 Essentials Sep 02 2020 An enormous system comprising myriad technologies, options, and releases, Oracle's complexities have spawned numerous areas of specialization. For each area of specialization there are equally specialized how-to books and manuals. O'Reilly's Oracle Essentials claims a unique place among these books. Rather than focusing on one area, the book explains the foundational concepts of the Oracle technology and the core technical and business aspects of using it. The new edition of this classic book, Oracle Essentials, 3rd Edition: Oracle Database 10g, distills a vast amount of knowledge into an easy-to-read volume covering every aspect of the Oracle database. Readers of all levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning, and much more. Featuring focused text, abundant illustrations, and helpful hints, the new edition offers a valuable overview of Oracle's Database 10g--the industry's first database to support grid computing. Recent releases such as Oracle 9i and 8i are also covered. The book contains chapters on: Oracle products, options, and overall architecture for Oracle 10g and prior recent releases Installing and running Oracle: how to configure, start up, and shut down the database, and various networking issues Oracle data structures, datatypes, and ways of extending datatypes, with an introduction to Oracle objects (e.g., tables, views, indexes) Managing Oracle: security, the Oracle Enterprise Manager, fragmentation and reorganization, and backup and recovery

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Oracle performance: characteristics of disk, memory, and CPU tuning Multi-user concurrency, online transaction processing (OLTP), and high availability Hardware architectures (e.g., SMP, MPP, NUMA) and their impact on Oracle Data warehousing and distributed databases Network deployment: using Oracle as an Internet computing platform and for grid computing What's new in Oracle 10g: a summary of the database changes described in the book Oracle Essentials, 3rd Edition: Oracle Database 10g was written for anyone whose job involves managing or building systems using Oracle DBMS technology or working with staff that uses Oracle technology. This book is the perfect all-in-one source for understanding the complexities and capabilities of Oracle.

Oracle Database 11g Oct 15 2021 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 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.

Oracle Backup und Recovery - Das Praxisbuch Jul 12 2021

Oracle Database 10g DBA Handbook Aug 21 2019 Everything a DBA needs to know in one volume--this is the must-have reference for anyone working with the Oracle database, and it's been fully revised and updated for Oracle Database 10g. Co-author Kevin Loney is the all-time, best-selling Oracle Press author.

Der Oracle DBA Dec 17 2021 Als Administrator der Oracle Database finden Sie in diesem Handbuch die ideale Unterstützung für die Herausforderungen Ihres Alltags. Hier hat sich eine Gruppe namhafter und praxiserfahrener Autoren zusammengetan, die gemeinsam 134 Jahre Erfahrung mit dieser Datenbank aufweisen und in den jeweiligen Kapiteln ihre Spezialgebiete darstellen. Die Autoren vermitteln Ihnen fundiertes Know-how sowie praktische Lösungen zu Themen wie Aufbau und Betrieb eines Datenbankservers, Administration und Monitoring, High Availability, Backup und Recovery, Security, Upgrade einer Datenbank und Optimierung. Zusätzlich finden Sie in diesem Handbuch neben einer Darstellung der Produkte und Features der Oracle Database 12c viele Beispiele, Praxistipps und Tricks, die Sie direkt in Ihre tägliche Arbeit integrieren können und die über Versionsgrenzen hinweg anwendbar sind. Im Internet finden Sie nicht nur die nützlichen Skripte des Buches, sondern auch wichtige Informationen, ideal aufbereitet.

Oracle Database 12c Release 2 Multitenant Feb 07 2021 Master the Powerful Multitenant Features of Oracle Database 12c Govern a scalable, extensible, and highly available enterprise database environment using the practical information contained in this Oracle Press guide. Written by a team of Oracle Masters, Oracle Database 12c Release 2 Multitenant shows, step-by-step, how to deploy and manage multitenant configurations across IT frameworks of all types and sizes. Find out how to create databases, work with PDBs and CDBs, administer Oracle Net Services, and automate administrative tasks. Backup and recovery, security, and advanced multitenant options are covered in complete detail. Learn how to:

- Build high-performance multitenant Oracle databases
- Create single-tenant, multitenant, and application containers
- Establish network connections and manage services
- Handle security using authentication, authorization, and encryption
- Back up and restore your mission-critical data
- Work with point-in-time recovery and Oracle Flashback
- Move data and replicate and clone databases
- Work with Oracle's Resource Manager and Data Guard

Oracle Database Performance and Scalability Nov 23 2019 The innovative performance and scalability features with each newer edition of the Oracle database system can present challenges for users. This book teaches software developers and students how to effectively deal with Oracle performance and scalability issues throughout the entire life cycle of developing Oracle-based applications. Using real-world case studies to deliver key theories and concepts, the book introduces highly dependable and ready-to-apply performance and scalability optimization techniques, augmented with Top 10 Oracle Performance and Scalability Features as well as a supplementary support website.

Oracle High Availability, Disaster Recovery, and Cloud Services Feb 19 2022 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

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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 Database 12c DBA Handbook Jun 11 2021 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. The Most Complete, Current Oracle DBA Resource Maintain a high-performance Oracle Database using the best practices and expert techniques in this Oracle Press guide. Oracle Database 12c DBA Handbook is thoroughly updated to cover the new features and utilities, including the multitenant architecture, Oracle Database In-Memory option, and cloud enhancements. Real-world examples for every major configuration are included. You'll learn how to successfully manage a highly available, robust, secure, and extensible Oracle enterprise database environment. Upgrade to Oracle Database 12c Plan and manage tablespaces Maximize database performance using effective physical database layouts and storage management methods Monitor disk space used by database objects Manage transactions with undo tablespaces Implement expert performance-tuning techniques Increase query speed using the new Oracle Database In-Memory option Manage database security through authentication, authorization, and auditing Take full advantage of the multitenant database architecture Enable high availability and scalability with Oracle Real Application Clusters and Oracle Active Data Guard Perform backup and recovery with Oracle Recovery Manager Manage distributed databases and VLDBs

Beginning Oracle Database 11g Administration Oct 23 2019 This book, written by veteran Oracle database administrator Iggy Fernandez, a regular on the Oracle conference circuit and the editor of NoCOUG Journal, is a manageable introduction to key Oracle database administration topics including planning, installation, monitoring, troubleshooting, maintenance, and backups, to name just a few. As is clear from the table of contents, this book is not simply a recitation of Oracle Database features such as what you find in the reference guides available for free download on the Oracle web site. For example, the chapter on database monitoring explains how to monitor database availability, database changes, database security, database backups, database growth, database workload, database performance, and database capacity. The chapters of this book are logically organized into four parts that closely track the way your database administration career will naturally evolve. Part 1 gives you necessary background in relational database theory and Oracle Database concepts, Part 2 teaches you how to implement an Oracle database correctly, Part 3 exposes you to the daily routine of a database administrator, and Part 4 introduces you to the fine art of performance tuning. Each chapter has exercises designed to help you apply the lessons of the chapter. Each chapter also includes a list of reference works that contain more information on the topic of the chapter. In this book, you'll find information that you won't find in other books on Oracle Database. Here you'll discover not only technical information, but also guidance on work practices that are as vital to your success as technical skills. The author's favorite chapter is "The Big Picture and the Ten Deliverables." If you take the lessons in that chapter to heart, you can quickly become a much better Oracle database administrator than you ever thought possible.

Oracle Data Guard Oct 27 2022 This guide for using Dataguard technology covers all areas of disaster recovery, standby databases, and automatic Oracle failover. The details of how Oracle 10g's improved Dataguard provides a comprehensive solution for disaster recovery while keeping a low TCO are discussed. Descriptions of the concepts and architecture of standby databases as well as the implementation and management of Dataguard are provided. Tips for success in configuration and first-time implementation of Dataguard including the internal working of Dataguard Broker and Dataguard with Recovery Manager are revealed.

Migration einer Oracle Datenbank unter bestimmten Kriterien mit Data Guard GoldenGate Jul 24 2022 Bachelorarbeit aus dem Jahr 2015 im

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Fachbereich Informationswissenschaften, Informationsmanagement, Note: 1,3, Fachhochschule der Deutschen Telekom in Leipzig, Sprache: Deutsch, Abstract: Die Bachelorarbeit "Standortübergreifende Migration einer relationalen Oracle Datenbank zu einem neuen System inklusive Schemaintegration und minimaler Auszeit." beschäftigt sich mit der Migration einer 17 TB großen Oracle Datenbank. Dafür wurde als Praxisteil ein Testsystem aufgesetzt, um diese Migration unter den gegebenen Kriterien durchzuspielen. Für die Migration wurde RMAN, Data Guard und GoldenGate verwendet. Alle abgesetzten Befehle sind im Anhang enthalten und die Arbeit enthält eine ausführliche Beschreibung und Gegenüberstellung von Replikationstechniken. Das Ziel dieser Arbeit ist die erfolgreiche Migration der Datenbank mit allen geforderten Kriterien. Da die Migration der CRM-T-Umgebung erst Ende 2015 oder Anfang 2016 stattfinden wird, soll diese Arbeit zusätzlich eine Vorlage für diese Migration bieten. Außerdem dient sie als Beweis, dass die geplante Migration in entsprechender Ausführung funktioniert. Daher werden alle Befehle und Konfigurationsparameter protokolliert und im Anhang beigefügt. Bis jetzt hatte das Unternehmen nicht die Möglichkeit die geplanten Sicherheitsvorkehrungen in der Praxis zu testen, da noch keine Verbindung zwischen den beiden Standorten besteht. Da die gleichen Konfigurationen in der Testumgebung verwendet werden, wird das Netzwerk zwischen den Datenbanken mit einer bestimmten Software überwacht. Dadurch wird erkannt, ob die Verschlüsselung funktioniert und das Unternehmen T-Systems kann anhand der Bachelorarbeit die Verschlüsselung auf der CRM-T-Umgebung implementieren.

Practical Oracle Database Appliance Oct 03 2020 Practical Oracle Database Appliance is a hands-on book taking you through the components and implementation of the Oracle Database Appliance. Learn about architecture, installation, configuration, and reconfiguration. Install and configure the Oracle Database Appliance with confidence. Make the right choices between the various configurations in order to realize your performance requirements. Manage and monitor the appliance to meet business requirements. Protect your data through proper backup and recovery procedures. Oracle Database is one of the most relied-up databases in industry. For many years Oracle Database was a software product that had to be installed and configured at no small expense. The Oracle Database Appliance makes Oracle Database into a plug-and-play proposition: Plug the appliance into the wall socket, and turn it on. That's it. You have a running database server. This book takes you through that beginning point and beyond, helping you to realize in your own organization the ease of deployment and management represented by the appliance. Covers the Oracle Database Appliance from architecture through configuration. Provides a technical resource for system- and database administrators. Examines practical use cases for the Oracle Database Appliance.

Oracle Database 12c Backup and Recovery Survival Guide Jan 06 2021 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.

Das große Oracle Datenbank-Einsteigerbuch. Jul 20 2019 Dieses Werk ist eine Zusammenführung der vier Bücher „Ein strukturierter Einstieg in die SQL und PL/SQL Entwicklung“, „Ein strukturierter Einstieg in die Oracle-Datenbankadministration“, „Ein strukturierter Einstieg in den Recovery Manager“ und „Ein strukturierter Einstieg in den Real Application Cluster 11gR2“. Dieses Buch beinhaltet also das geballte Oracle-Einstiegswissen auf 700 Seiten, um dieses in einem Buch permanent zur Verfügung zu haben. Aufgrund der geballten Informationen wurde eine kleinere Schriftart verwendet, um alles unterzubringen zu können. Sollten Sie mit einer kleineren Schriftart Schwierigkeiten haben, weichen Sie bitte auf die einzelnen Bücher aus. **Oracle 11g R1/R2 Real Application Clusters Essentials** Jun 18 2019 Annotation Oracle RAC or Real Application Clusters is a grid computing solution that allows multiple nodes (servers) in a clustered system to mount and open a single database that resides on shared disk storage.

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Should a single system (node) fail, the database service will still be available on the remaining nodes. Oracle RAC is an integral part of the Oracle database setup. You have one database with multiple users accessing it, in real time. This book will enable DBAs to get their finger on the pulse of the Oracle 11g RAC environment quickly and easily. This book will cover all areas of the Oracle RAC environment and is indispensable if you are an Oracle DBA who is charged with configuring and implementing Oracle 11g R1, with bonus R2 information included. This book presents a complete method for the configuration, installation, and design of Oracle 11g RAC, ultimately enabling rapid administration of Oracle 11g RAC environments. This practical handbook documents how to administer a complex Oracle 11g RAC environment. Packed with real world examples, expert tips and troubleshooting advice, the book begins by introducing the concept of Oracle RAC and High Availability. It then dives deep into the world of RAC configuration, installation and design, enabling you to support complex RAC environments for real world deployments. Chapters cover Oracle RAC and High Availability, Oracle 11g RAC Architecture, Oracle 11g RAC Installation, Automatic Storage Management, Troubleshooting, Workload Management and much more. By following the practical examples in this book, you will learn every concept of the RAC environment and how to successfully support complex Oracle 11g R1 and R2 RAC environments for various deployments within real world situations. This book is the updated release of our previous Oracle 11g R1/R2 Real Application Clusters Handbook. If you already own a copy of that Handbook, there is no need to upgrade to this book.

Oracle 19c/20c Apr 09 2021 • Von der Planung und Installation über Architektur, Infrastruktur und Administration bis hin zu Migration in die Cloud sowie Einsatz der autonomen Datenbank • Mit vielen Beispielen, Konfigurationsanleitungen und wertvollen Tipps für den praktischen Einsatz • Aktuelle Themen wie In-Memory-Technologie, Data Science und Machine Learning Dieses Buch behandelt umfassend die Planung, den Einsatz und die Administration von Oracle-Datenbanken und basiert auf dem Long Term Release 19c sowie der Version 20c mit ihren neuen Features. Der Autor vermittelt alle Inhalte, die sowohl für den Einstieg als auch für den fortgeschrittenen Einsatz wichtig sind. Einsteiger finden eine Anleitung zur Installation und eine Einführung in die Datenbankarchitektur und -infrastruktur. Im Anschluss werden typische Aufgaben der Datenbankadministration wie Backup und Recovery sowie Upgrades, Patching und Cloning behandelt. Zu den Schwerpunkten des Buchs gehören des Weiteren Beschreibungen der In-Memory-Technologie sowie der Public und Private Cloud für Oracle-Datenbanken. Der Autor unterstützt Sie hier bei der Vorbereitung und Durchführung der Migration in die Cloud, der Verwaltung von Public und Private Cloud sowie von On-Premises-Datenbanken. Auch Spezialthemen wie fortgeschrittene Sicherheitsthemen und komplexere Recovery-Szenarien sowie die aktuellen Themen Data Science und Machine Learning werden berücksichtigt. Der Autor richtet sich an Datenbankadministratoren, Systemberater und Architekten sowie an Entwickler von Oracle-Applikationen. Dieses Buch ist gleichermaßen auch für Einsteiger geeignet, die bereits grundlegende Kenntnisse in der IT besitzen und sich in die Oracle-Welt einarbeiten. Es ist Einstieg, Praxis-Handbuch und umfassendes Nachschlagewerk für alle, die mit Oracle-Datenbanken arbeiten.

Oracle 11g Release 2 für den DBA Feb 25 2020

Oracle Database Upgrade and Migration Methods Dec 05 2020 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 Database 11g Release 2 High Availability: Maximize Your Availability with Grid Infrastructure, RAC and Data Guard Mar 20 2022 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