

Oracle Database Upgrade Guide 11g Release 2 112 Chapters 3 And 4

Oracle is an enormous system, with myriad technologies, options, and releases. Most users--even experienced developers and database administrators--find it difficult to get a handle on the full scope of the Oracle database. And, as each new Oracle version is released, users find themselves under increasing pressure to learn about a whole range of new technologies. The latest challenge is Oracle Database 11g. This book distills an enormous amount of information about Oracle into a compact, easy-to-read volume filled with focused text, illustrations, and helpful hints. It contains chapters on: Oracle products, options, data structures, and overall architecture for Oracle Database 11g, as well as earlier releases (Oracle Database 10g, Oracle9i, and Oracle8i) Installing, running, managing, monitoring, networking, and tuning Oracle, including Enterprise Manager (EM) and Oracle's self-tuning and management capabilities; and using Oracle security, auditing, and compliance (a new chapter in this edition) Multiuser concurrency, data warehouses, distributed databases, online transaction processing (OLTP), high availability, and hardware architectures (e.g., SMP, clusters, NUMA, and grid computing) Features beyond the Oracle database: Oracle Application Express, Fusion Middleware (including Oracle Application Server), and database SOA support as a Web services provider The latest Oracle Database 11g features: query result set caching, Automatic Memory Management, the Real Application Testing, Advanced Compression, Total Recall, and Active Data Guard Option Options, changes to the OLAP Option (transparently accessed and managed as materialized views), the Flashback transaction command, transparent data encryption, the Support Workbench (and

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diagnosability infrastructure), and partitioning enhancements (including interval and new composite types) For new Oracle users, DBAs, developers, and managers, Oracle Essentials provides an invaluable, all-in-one introduction to the full range of Oracle features and technologies, including the just-released Oracle Database 11g features. But even if you already have a library full of Oracle documentation, you'll find that this compact book is the one you turn to, again and again, as your one-stop, truly essential reference. "Oracle Essentials gives a clear explanation of the key database concepts and architecture underlying the Oracle database. It's a great reference for anyone doing development or management of Oracle databases." --Andrew Mendelsohn, Senior Vice President, Database Server Technologies, Oracle Corporation

Expert Indexing in Oracle Database 11g is about the one database structure at the heart of almost all performance concerns: the index. Database system performance is one of the top concerns in information technology today. Administrators struggle to keep up with the explosion of access and activity driven by the proliferation of computing into everything from phones to tablets to PCs in our increasingly connected world. At the heart of any good-performing database lies a sound indexing strategy that makes appropriate use of indexing, and especially of the vendor-specific indexing features on offer. Few databases fully exploit the wealth of data access mechanisms provided by Oracle. Expert Indexing in Oracle Database 11g helps by bringing together information indexing and how to use it into one, convenient and blissfully short volume that you can read quickly and have at your fingertips for reference. Learn the different types of indices available and when each is best applied. Recognize when queries aren't using indices as you intend. Manage your indexing for maximum performance. Let Expert Indexing in Oracle Database 11g be your guide to deep mastery of the most fundamental performance optimization structure in Oracle Database. Explains how indices work, how they help, and how they hinder Demystifies the various index choices Describes the

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database administration chores associated with indices

With so many Oracle Database upgrade options available, you may be unsure which exam is right for you. Review this easy-to-use guide to help you determine which exam is best to help you upgrade your Oracle Database Administrator certification to Oracle Database 12c. To make it simple, there are only two exams from which to choose. Choose Exam 1Z0-060 (Upgrade to Oracle Database 12c) If: You hold an Oracle Database Administrator Certified PROFESSIONAL certification on any version: Oracle7.3, Oracle8, Oracle8i, Oracle9i, Oracle Database 10g or Oracle Database 11g. Choose Exam 1Z0-067 (Upgrade Oracle9i/10g/11g OCA or OCP to Oracle Database 12c OCP) if: You hold an Oracle Database Administrator ASSOCIATE certification on any version: Oracle9i, Oracle Database 10g or Oracle Database 11g. Preparing for the Upgrade to Oracle Database 12c Exam to become an Oracle Database Administrator? Here we have brought 100+ Exam Questions for you so that you can prepare well for this Exam 1z0-060

Candidates for the Oracle Certified Associate in Oracle Database 11g need to pass Exams 1Z0-051 and 1Z0-052 to achieve their certification—this guide prepares you for taking both those exams. This two-in-one study guide covers the Oracle Certified Associate certification for Oracle database 11g and reviews exam topics such as restricting and sorting data, using conversion functions and conditional expressions, displaying data from multiple tables, and exploring the Oracle database architecture. Plus, you'll learn how to create and maintain an Oracle database, perform database backups and recovery, move and manipulate data, prepare the database environment, and more. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. For Instructors: Teaching supplements are available for this title.

Oracle Database 11g A Beginner's Guide

Oracle Database 11g The Complete Reference

Oracle Database 11g New Features

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Reasoning in Event-Based Distributed Systems
Practical Guide to Large Database Migration

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

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Assistant tool Move seamlessly to Oracle's engineered systems Migrate to the cloud Information and Communication Technologies has enlarged its horizon and it is practiced under multidisciplinary contexts that introduce new challenges to theoretical and technical approaches. The most critical benefit of introducing new ICT technologies in our real world living are the new ways of working that the online world makes possible. Complexity, uncertainty and scaling issues of real world problems as well as natural phenomena in ecology, medicine and biology demanding ICT assistance create challenging application domains for artificial intelligence, decision support and intelligence systems, wireless sensor networks, pervasive and ubiquitous computing, multimedia information systems, data management systems, internet and web applications and services, computer networks, security and cryptography, distributed systems, GRID and cloud computing. This book offers a collection of papers presented at the Third International Conference on ICT Innovations held in September 2011, in Skopje, Macedonia. The conference gathered academics, professionals and practitioners in developing solutions and systems in the

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industrial and business arena especially innovative commercial implementations, novel applications of technology, and experience in applying recent ICT research advances to practical solutions.

This easy-to-read textbook/reference presents a comprehensive introduction to databases, opening with a concise history of databases and of data as an organisational asset. As relational database management systems are no longer the only database solution, the book takes a wider view of database technology, encompassing big data, NoSQL, object and object-relational and in-memory databases. The text also examines the issues of scalability, availability, performance and security encountered when building and running a database in the real world.

Topics and features: presents review and discussion questions at the end of each chapter, in addition to skill-building, hands-on exercises; introduces the fundamental concepts and technologies in database systems, placing these in an historic context; describes the challenges faced by database professionals; reviews the use of a variety of database types in business environments; discusses areas for further research within this fast-moving domain.

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Master Oracle's AutoUpgrade tool effectively to upgrade Oracle databases from lower versions to 19c. KEY FEATURES ? In-depth practical demonstration of Oracle database upgrades with various real-time scenarios. ? Step-by-step illustration of each Oracle database upgrade and downgrade method. ? Fastest ever multiple Oracle databases upgrade. DESCRIPTION 'Oracle 19c AutoUpgrade Best Practices' is a simple cookbook for database professionals to upgrade from lower versions to 19c or downgrade from 19c to lower versions This book is dedicated solely to demonstrate upgrading Oracle Databases to 19c by using AutoUpgrade tool. It has a very good explanation about different AutoUpgrade processing modes (Analyze, Fixup, Deploy, and Upgrade) and various stages that the AutoUpgrade job runs while performing database upgrade. Multiple chapters in this book covers various scenarios with detailed steps for upgrading Oracle database from versions 11g/12c/18c to version 19c and Downgrading from 19c to 11g/12c/18c. By the end of this book, every Oracle DBA can gain real-time experience and become a master in upgrading and downgrading oracle databases (Standalone, RAC, Standby) using AutoUpgrade Utility. WHAT YOU WILL LEARN ?

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Learn to use the Oracle database upgrade tool AutoUpgrade for various DB challenges. ? Understand how to convert a non-container database to a 19c pluggable database. ? Get to know how to upgrade multiple databases of different versions to 19c in a single operation. WHO THIS BOOK IS FOR This book is intended for Oracle DBA students, Database administrators, Database Architects and anyone else who want to improve their database upgrade or downgrade skills in a concise and understandable manner. TABLE OF CONTENTS 1. Introduction to DB Upgrades 2. Upgrading Oracle Database from 11.2.0.4 to 19.9.0 Using dbupgrade (Manual) 3. Upgrading Oracle Database from 11.2.0.4 to 19.9.0 (Using AutoUpgrade) 4. Upgrading and Converting 12c non-CDB as 19c PDB 5. Upgrading Oracle Multitenant Database from 12c/18c to 19c 6. Upgrading and Converting 12c non-CDB as 19c PDB (using AutoUpgrade) 7. Upgrading Multiple Database Versions (11g/12c/18c) to 19c Using the Single AutoUpgrade Command

Siebel Upgrade Guide
Exams1Z0-051 and 1Z0-052
Oracle Database Performance and Scalability
Oracle Database 11g DBA Handbook
Oracle Certification Prep: Upgrade

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Oracle9i/10g/11g OCA to Oracle Database 12c OCP

A Fully Integrated Study System for OCP Exam 1Z0-050 Prepare for the Oracle Certified Professional Oracle Database 11g New Features for Administrators exam with help from this exclusive Oracle Press guide. In each chapter, you'll find challenging exercises, practice questions, a two-minute drill, and a chapter summary to highlight what you've learned. This authoritative guide will help you pass the test, and serve as your essential on-the-job reference. Get complete coverage of all OCP objectives for exam 1Z0-050, including: Installation and upgrades Partitioning and storage Intelligent infrastructure Diagnostics and fault management Performance Oracle Recovery Manager and Oracle Flashback Security Oracle SQL Performance Analyzer SQL plan management Automatic SQL tuning On the CD-ROM: One full practice exam that simulates the actual OCP exam Detailed answers and explanations Score report performance assessment tool Complete electronic book Bonus exam available free with online registration

Modern businesses depend on data for their very survival, creating a need for sophisticated databases and database technologies to help store, organise and transport their valuable data. This updated and expanded, easy-to-read textbook/reference presents a comprehensive introduction to databases, opening with a

concise history of databases and of data as an organisational asset. As relational database management systems are no longer the only database solution, the book takes a wider view of database technology, encompassing big data, NoSQL, object and object-relational, and in-memory databases. Presenting both theoretical and practical elements, the new edition also examines the issues of scalability, availability, performance and security encountered when building and running a database in the real world. Topics and features: Presents review and discussion questions at the end of each chapter, in addition to skill-building, hands-on exercises Provides new material on database adaptiveness, integration, and efficiency in relation to data growth Introduces a range of commercial databases and encourages the reader to experiment with these in an associated learning environment Reviews use of a variety of databases in business environments, including numerous examples Discusses areas for further research within this fast-moving domain With its learning-by-doing approach, supported by both theoretical and practical examples, this clearly-structured textbook will be of great value to advanced undergraduate and postgraduate students of computer science, software engineering, and information technology. Practising database professionals and application developers will also find the book an ideal reference that addresses today's business needs.

Using real-world examples and hands-on tasks,

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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.

A real-world DBA survival guide for Oracle 11g database implementations with this book and eBook.

Oracle 11g New Features

Get Started Fast with Oracle 11g Enhancements

Oracle Data Guard 11gR2 Administration Beginner's Guide

OCA Oracle Database 11g Administration I Exam Guide (Exam 1Z0-052)

ICT Innovations 2011

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

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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

The Essential Resource for Oracle DBAs--Fully Updated and Expanded Manage a flexible, highly available Oracle database with help from the expert information contained in this exclusive Oracle Press guide. Fully revised to cover every new feature and utility, Oracle Database 11g DBA Handbook shows how to perform a new installation, upgrade from previous versions, configure hardware and software for maximum efficiency, and employ bulletproof security. You will learn to automate the backup and recovery process, provide transparent failover capability, audit and tune performance, and distribute your enterprise databases with Oracle Net. Plan and deploy permanent, temporary, and bigfile tablespaces Optimize disk allocation, CPU usage, I/O throughput, and SQL queries Develop powerful database management applications Guard against human errors using Oracle

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Flashback and Oracle Automatic Undo Management
Diagnose and tune system performance using Oracle Automatic Workload Repository and SQL Tuning Sets
Implement robust security using authentication, authorization, fine-grained auditing, and fine-grained access control
Maintain high availability using Oracle Real Application Clusters and Oracle Active Data Guard
Respond more efficiently to failure scenarios by leveraging the Oracle Automatic Diagnostic Repository and the Oracle Repair Advisor
Back up and restore tables, tablespaces, and databases with Oracle Recovery Manager and Oracle Data Pump Export and Import
Work with networked databases, data warehouses, and VLDBs
Put the latest Oracle Database 11g tools to work--Oracle Total Recall, Oracle Flashback Data Archive, and more
Annotation
From smaller businesses through to huge enterprises _ users all over the world often require access to data 24 hours a day. Distributed database systems proliferate the world of data sharing providing an ability to access real-time data anywhere, anytime. Oracle Streams, a built-in feature of the Oracle database, is a data replication and integration feature critical to the success and wellbeing of enterprises in today's fast moving economy. This book provides the reader with solid techniques to master Oracle Streams technology and successfully deploy distributed database systems. This book quickly goes over the basics and gets you up and running with a simple Oracle 11g Streams environment. It will serve as an excellent companion to the Oracle Streams Administration Guide. It is intended for Oracle database architects and administrators, and provides in-depth discussion on must-know information for the design, implementation, and maintenance of an Oracle Streams environment. The book does not attempt

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to regurgitate all the information in the Oracle Streams Administration Guides, but rather provides additional clarification and explanation of design, implementation, and troubleshooting concepts that are often elusive in Streams documentation. It also identifies helpful tools and Oracle resources to add to your knowledge base, as well as tried and tested tricks and tips to help you tame Oracle Streams. The book starts by introducing and explaining the components of Oracle Streams and how they work together. It then moves on logically, helping you to determine your distributed environment requirements and design your Streams implementation to meet those requirements. Once these concepts are discussed, the book moves to configuration and basic implementation examples to help solidify those concepts. It then addresses advanced features such as tags, down-stream capture, and conflict resolution. You then move on to maintenance techniques such as documenting the environment, effectively planning and implementing changes to the environment, and monitoring and troubleshooting the environment. When you have studied the techniques and completed the hands-on examples, you will have an understanding of Oracle Streams' core concepts and functionality that will allow you to successfully design, implement, and maintain an Oracle Streamed environment.

This Study Guide is targeted at IT professionals who are working towards upgrading their existing certification to become an Oracle Database 12c Administrator Certified Professional. The book provides information covering all of the exam topics for the Oracle certification exam: "1Z0-067: Upgrade Oracle9i/10g/11g OCA to Oracle Database 12c OCP". The books in the Oracle Certification Prep series are built in lockstep with the test topics

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provided by Oracle Education's certification program. Each book is intended to provide the information that will be tested in a clean and concise format. The guides introduce the subject you'll be tested on, follow that with the information you'll need to know for it, and then move on to the next topic. They contain no drills or unrealistic self-tests to bump the page count without adding value. The series is intended to provide a concentrated source of exam information that is compact enough to be read through multiple times. This series is ideal for experienced Oracle professionals that are familiar with the topic being tested, but want a means to rapidly reinforce their existing skills and bridge any gaps in their knowledge. It is also an excellent option as a second source of information for candidates pursuing certification.

A Practical Introduction

Concise Guide to Databases

Oracle Database 11G - Underground Advice for Database Administrators

Expert Indexing in Oracle Database 11g

Secrets of the Oracle Database

Sam Alapati's Expert Oracle Database 11g

Administration is a comprehensive handbook for Oracle database administrators (DBAs) using the 11g release of the Oracle Database. All key aspects of database administration are covered, including backup and recovery, day-to-day administration and monitoring, performance tuning, and more. This is the one book to have on your desk as a continual reference. Refer to it frequently. It'll help you get the job done.

Comprehensive handbook for Oracle Database administrators. Covers all major aspects of database administration. Tests and explains in detail key DBA

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commands. Offers primers on Linux/Unix, data modeling, SQL, and PL/SQL.

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.

This book is a comprehensive and easy-to-understand guide for using the Oracle Data Provider (ODP) version 11g on the .NET Framework. It also outlines the core GoF (Gang of Four) design patterns and coding techniques employed to build and deploy high-impact mission-critical applications using advanced Oracle database features through the ODP.NET provider. The book details the features of the ODP.NET provider in two main sections: "Basic," covering the basics and mechanisms for data access via ODP.NET; and "Advanced," covering advanced Oracle features such as globalization, savepoints, distributed transactions and how to call them via ODP.NET, advanced queueing (AQ), and promotable transactions. It takes you from the ground up through different implementation scenarios via a rich collection of C# code samples. It outlines database security and performance optimization tricks and techniques on ODP.NET that conform to best practices and adaptable design. Different GoF design patterns are highlighted for different types of ODP.NET usage scenarios with consideration of performance and

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security. It provides a comprehensive guide to the synergistic integration of Oracle and Microsoft technologies such as the Oracle Developer Tools for Visual Studio (11.1.0.7.10). It also details how programmers can make use of ODT to streamline the creation of robust ODP.NET applications from within the Visual Studio environment.

IBM® i2® Integrated Law Enforcement is an IBM Smarter Cities® solution that addresses the needs of modern-day law enforcement agencies. It is a solution framework that provides the individual capabilities of the products that comprise the solution and extended capabilities developed through the synergistic integration of those product components. As a framework, IBM i2 Integrated Law Enforcement allows for the continuous expansion of capabilities by putting together building blocks within the system and integrating with new, external systems. In doing so, an organization can respond and adapt to its changing needs. Simply stated, the configuration, integration, and implementation of IBM i2 Integrated Law Enforcement and its components provide the tools for more effective law enforcement. This IBM Redpaper™ publication explains the technology and the architecture on which the solution is built. Most importantly, this paper enables technical teams to install, configure, and deploy an instance of the i2 Integrated Law Enforcement solution using the product i2 Intelligent Law Enforcement V1.0.1. This paper is targeted to solution architects, system and deployment engineers, security specialists, data management experts, system analysts, software developers and test engineers, and system administrators. Readers of this paper will benefit from the IBM Redguide™ publication "Integrated Law Enforcement: A Holistic Approach to Solving Crime",

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REDP-5116.

Study Guide For 1Z0-067

100+ Exam practice questions for Oracle 1Z0-060

Updated 2020

A Quantitative Approach

Pro Oracle Database 11g RAC on Linux

Expert Consolidation in Oracle Database 12c

With the rapid expansion of the Internet over the last 20 years, event-based distributed systems are playing an increasingly important role in a broad range of application domains, including enterprise management, environmental monitoring, information dissemination, finance, pervasive systems, autonomic computing, collaborative working and learning, and geo-spatial systems. Many different architectures, languages and technologies are being used for implementing event-based distributed systems, and much of the development has been undertaken independently by different communities. However, a common factor is an ever-increasing complexity. Users and developers expect that such systems are able not only to handle large volumes of simple events but also to detect complex patterns of events that may be spatially distributed and may span significant periods of time. Intelligent and logic-based approaches provide sound foundations for addressing many of the research challenges faced and this book covers a broad range of recent advances, contributed by leading experts in the field. It presents a comprehensive view of reasoning in

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event-based distributed systems, bringing together reviews of the state-of-the art, new research contributions, and an extensive set of references. It will serve as a valuable resource for students, faculty and researchers as well as industry practitioners responsible for new systems development.

Secrets of the Oracle Database is the definitive guide to undocumented and partially-documented features of the Oracle Database server. Covering useful but little-known features from Oracle Database 9 through Oracle Database 11, this book will improve your efficiency as an Oracle database administrator or developer. Norbert Debes shines the light of day on features that help you master more difficult administrative, tuning, and troubleshooting tasks than you ever thought possible. Finally, in one place, you have at your fingertips knowledge that previously had to be acquired through years of experience and word of mouth through knowing the right people. What Norbert writes is accurate, well-tested, well-illustrated by clear examples, and sure to improve your ability to make an impact on your day-to-day work with Oracle.

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

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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

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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

The Definitive Guide to Oracle Database 11g Get full details on the powerful features of Oracle Database 11g from this thoroughly updated Oracle Press guide. Oracle Database 11g: The Complete Reference explains how to use all the new features and tools, execute powerful SQL queries, construct PL/SQL and SQL*Plus statements, and work with large objects and object-relational databases. Learn how to implement the latest security measures, tune database performance, and deploy grid computing techniques. An invaluable cross-referenced appendix containing Oracle commands, keywords, features, and functions is also included. Install Oracle Database 11g or upgrade from an earlier version Create database tables, sequences, indexes, views, and user accounts Construct SQL statements, procedures, queries, and subqueries Optimize security using virtual private databases and transparent data encryption Import and export data using SQL*Loader and Oracle Data Pump Use SQL

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replay, change management, and result caching
Avoid human errors using flashback and automatic undo management Build and tune PL/SQL triggers, functions, and packages Develop database applications using Java, JDBC, and XML Optimize availability and scalability with Oracle Real Application Clusters

Maximum Performance for your Database Including Oracle 12c Release 2

Oracle Database Upgrade and Migration Methods Expert Oracle Database 11g Administration

Oracle 19c AutoUpgrade Best Practices

A Fully Integrated Study System for OCA Exam 1Z0-052

Prepare for the Oracle Certified Associate Oracle Database

11g Administration I exam with help from this exclusive

Oracle Press guide. In each chapter, you'll find challenging exercises, practice questions, a two-minute drill, and a chapter summary to highlight what you've learned. This authoritative guide will help you pass the test and serve as your essential on-

the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-052, including: Database architecture

Creating an Oracle Database Managing the Oracle instance

Configuring and managing the Oracle network Managing database storage structures Administering user security

Managing schema objects, data and concurrency, and undo data Implementing Oracle Database security Database

maintenance and performance management Backup and

recovery Moving data Intelligent infrastructure enhancements

On the CD-ROM: One full practice exam that simulates the actual OCA exam Detailed answers and explanations Score

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report performance assessment tool Complete electronic book
Bonus exam available free with online registration
Get a Solid Foundation in Oracle Database Technology Master
Oracle Database 11g fundamentals quickly and easily. Using
self-paced tutorials, this book covers core database essentials,
the role of the administrator, high availability, and large
database features. Oracle Database 11g: A Beginner's Guide
walks you, step by step, through database setup,
administration, programming, backup, and recovery. In-depth
introductions to SQL and PL/SQL are included. Designed for
easy learning, this exclusive Oracle Press guide offers: Core
Concepts--Oracle Database 11g topics presented in logically
organized chapters 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 Notes--Extra information related to the topic being
covered Mastery Checks--Chapter-ending quizzes to test your
knowledge

A major prerequisite for the usage and deployment of Oracle
database technology is a successful installation. The purpose
of this Oracle 11g training course module is to offer a step-by-
step guide for the configuration of a Linux or Microsoft
Windows server to host an Oracle database Enterprise Edition
installation. Especially in a Linux environment installation of
the database requires careful preparation, configuration and
sometimes troubleshooting in order to succeed. This course
includes practical tips learned from many real-world
installations which can assist you to achieve a successful
installation in your environment. We will explore both a
standalone database installation and also a grid infrastructure

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installation. Major objectives covered within this guide book include: - Configuration of the Linux and Microsoft Windows operating systems in anticipation of a database installation; Performing a Desktop Class installation of the Oracle 11g R2 Enterprise Edition database; - Performing a Server Class installation of the Oracle 11g R2 Enterprise Edition database; - Addressing configuration and setup issues using the FixUp utility;- Verification of a valid database installation; Database administrator and technical support interface options, including the use of Enterprise Manager, command-line SQL*Plus, and terminal console SSH;- Preparing a host system for the Grid Infrastructure and Oracle RDBMS installations and performing those installations;- Preparing a host system for ASM storage management; - Partitioning and configuration of storage devices for ASM storage on both Linux and MS Windows servers; While this course module applies specifically to the installation of the Enterprise Edition of the Oracle database, it covers basic topics which apply to any Oracle software installation. Therefore, this material is also useful for the installation of other Oracle products such as the Oracle Database Client, specialized options for a database server installation, and so on.

This book contains the step by step information about the Oracle 11g database Administration. This book is for you if you are familiar with SQL and are looking for a book that effectively explains the concepts of the Oracle 11g database Administration. It gives the core information about administrating the Oracle 11g database using the new and improved Enterprise Manager GUI. The book contains lots of examples and helps you to perform the Oracle 11g administration in an easier way. You will also find information

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about the Grid Architecture in this book.

Oracle 11G Administration In Simple Steps

Oracle Database 10g: A Beginner's Guide

A Step-by-step Expert-led Database Upgrade Guide to Oracle 19c Using AutoUpgrade Utility (English Edition)

OCP Oracle Database 11g New Features for Administrators Exam Guide (Exam 1Z0-050)

Zero Downtime Database Upgrade and Active Active

Replication Using Oracle GoldenGate 11g Release 2

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

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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)

A Must Have Guide for using Oracle GoldenGate in Oracle Database Upgrade and Bi-Directional Replication Projects Harness the power of Oracle GoldenGate 11gR2 robust tool, and use Oracle GoldenGate for your next Database Upgrade Project or for your High-Availability requirements. Your next Oracle Database Upgrade project should not be nerve wrecking and scary, rather you can perform your Oracle Database Upgrade without extensive downtime, with full end-to-end, functional and performance testing capabilities. Moreover, Oracle GoldenGate provides you rollback capabilities like none other in case of a failed Database Upgrade. If you are planning to implement High-Availability or Disaster Recovery solution, you can utilize Oracle GoldenGate Bi-directional capabilities to not only provide you High-Availability and Disaster Recovery solution but also enable you to use your other database for Read/Write activity for better utilization of resources. Written by Kashif Aslam, who himself has performed multiple database upgrades using Oracle GoldenGate, and also has implemented multiple Oracle GoldenGate replication projects including 4-way Multi-Master Active-Active replication, this book provides step by step instructions with screenshots and sample codes to fully enable you to perform Oracle database Upgrade using Oracle GoldenGate and also setup Active-Active Bi-Directional replication along with

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detailed examples of configuring conflict detection and resolution methodologies.

A guide to the new features of Oracle Database 11g covers such topics as architectural changes, database administration upgrades, security enhancements, and programming innovations.

Pro Oracle Database 11g RAC on Linux provides full-life-cycle guidance on implementing Oracle Real Application Clusters in a Linux environment. Real Application Clusters, commonly abbreviated as RAC, is Oracle's industry-leading architecture for scalable and fault-tolerant databases. RAC allows you to scale up and down by simply adding and subtracting inexpensive Linux servers. Redundancy provided by those multiple, inexpensive servers is the basis for the failover and other fault-tolerance features that RAC provides. Written by authors well-known for their talent with RAC, Pro Oracle Database 11g RAC on Linux gives you a rock-solid and technically flawless foundation on which to build your RAC-management skills. Authors Julian Dyke and Steve Shaw share their hard-won experience in building RAC clusters, showing you how to build for success using the very latest Oracle technologies, such as Automatic Storage Management (ASM) and Oracle Clusterware. You'll learn to troubleshoot performance and other problems. You'll even learn how to correctly deploy RAC in a virtual-machine environment based upon Oracle VM, which is the only virtualization solution supported by Oracle Corporation. RAC is a complex and powerful technology. It demands expertise in its deployment. You can't just "wing it" in creating a RAC solution. Julian and Steve have

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earned the right to term themselves expert—in Pro Oracle Database 11g RAC on Linux, they offer a rigorous and technically-correct treatment of RAC that helps you build a solid foundation of expertise and achieve success.

Rigorous and technically accurate content Complete coverage of RAC, from planning to implementation to rollout to ongoing maintenance and troubleshooting Up-to-date with the very latest RAC features

OCA: Oracle Database 11g Administrator Certified Associate Study Guide

Oracle Database Upgrade, Migration & Transformation Tips & Techniques

Oracle Database 11g R2 Step-By-Step Installation Guide Oracle Essentials

FOREWORD by Tom Kyte Your Must-Have Guide to Everything New in Oracle Database 11g Realize the full potential of Oracle Database 11g with help from the experts. Written by Robert G. Freeman, and with insightful commentary throughout from Arup Nanda, this Oracle Press guide offers full details on the architectural changes, database administration upgrades, availability and recovery revisions, security enhancements, and programming innovations. Every new and updated feature is covered and presented with screenshots, code samples, tables, and charts. Find out how to take full advantage of all the new and improved capabilities of Oracle Database 11g, including: New Oracle Automatic Storage Management features, such as Fast Disk Resync, Compatibility Attributes, Preferred Mirror Read, and Rolling Upgrade components Improved Automated Memory Management capabilities

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New database design features, such as virtual columns, tablespace encryption, and true table-level data compression New Database Advisors for data recovery and repair, partitioning, and streams performance New tuning features, such as Automatic SQL Tuning and SQL Performance Analyzer Enhancements to Oracle RMAN, including active database duplication and UNDO backup optimization Improved auditing and security capabilities Advanced BI, data warehousing, and partitioning features New SQL and PL/SQL enhancements

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

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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

This IBM® Redpaper™ publication describes experiences gained while installing Oracle Database 11gR2 with Grid Infrastructure (GI). It covers the set up and installation process for these environments: Setting up Red Hat Enterprise Linux 5 with DASD Setting up Red Hat Enterprise Linux 5 with FCP/SCSI Setting up SLES11 with DASD Setting up SLES11 with FCP/SCSI disks Examples include the installation of the Grid Infrastructure, installation of a single instance database and installation of a two-node Real Application Cluster (RAC) database. In all cases, we use UDEV rules for DASD and single path SCSI, and multipathing for multipath SCSI to provide device persistency for ASM storage, not ASMLib. Interested readers would include database consultants, installers, administrators, and system programmers. This is not meant to replace Oracle documentation, but to supplement it with our experiences while installing and using Oracle Database products. We made extensive uses of My Oracle Support notes.

It is a major challenge to migrate very large databases

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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 GoldenGate

Oracle 11g Streams Implementer's Guide

Oracle Certification Upgrade to Oracle Database 12c

Practice Questions & Dumps

Oracle Database XE 11gR2 Jump Start Guide

Installing Oracle 11gR2 RAC on Linux on System z

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.

Build and manage your Oracle Database XE environment with this fast paced, practical guide

Provides beginning DBAs and developers with a solid

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foundation in the database administration and programming basics needed to embark on an Oracle career. The focus is on Oracle Database 10g, but you'll get the fundamentals applicable to all Oracle database releases.

Oracle Database 11g R2 Step-By-Step Installation Guide Sideris Courseware Corp.

New Features for DBAs and Developers

Oracle Database 11g

Oracle Database 12c New Features

IBM i2 Integrated Law Enforcement: Technical Architecture and Deployment Guide

Pro ODP.NET for Oracle Database 11g