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# Oracle 11g Edition Compare

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Oracle 11G

Administration In  
Simple Steps McGraw  
Hill Professional  
The fourth edition of  
this popular pocket  
guide provides quick-  
reference information  
that will help you use  
Oracle's PL/SQL

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language, including the newest Oracle Database 11g features. It's a companion to Steven Feuerstein and Bill Pribyl's bestselling Oracle PL/SQL Programming. This concise guide boils down the most vital PL/SQL information into an accessible summary of: Fundamental language elements (e.g., block structure, datatypes, declarations) Statements for program control, cursor management, and exception handling Records, procedures, functions, triggers, and packages Calling PL/SQL functions in SQL Compilation options, object-oriented features, collections,

and Java integration The new edition describes such Oracle Database 11g elements as PL/SQL's function result cache, compound triggers, the CONTINUE statement, the SIMPLE\_INTEGER datatype, and improvements to native compilation, regular expressions, and compiler optimization (including intra-unit inlining). In addition, this book now includes substantial new sections on Oracle's built-in functions and packages. When you need answers quickly, the Oracle PL/SQL Language Pocket Reference will save you hours of frustration. Oracle Database 10g: A Beginner's Guide Cengage

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## Learning

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 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.

[Oracle Database Upgrade and Migration Methods](#) Rampant TechPress

Authored by Master Principle Database Expert; Oracle; and

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Oracle ACE Robert G. Freeman; this Oracle Press guide describes the myriad new and enhanced capabilities available in the latest Oracle Database release; and presents everything you need to get up and running quickly on Oracle Database 12c. --

**Oracle Database 12c New Features** CreateSpace

Validate your AWS skills. This is your opportunity to take the next step in your career by expanding and validating your skills on the AWS cloud. AWS has been the frontrunner in cloud computing products and services, and the AWS Certified Solutions Architect Official Study Guide for the Associate exam will get you fully prepared through expert content, and real-world knowledge, key exam essentials, chapter review questions, access to Sybex's interactive online learning environment, and much more. This official study guide, written by AWS experts, covers exam concepts, and

provides key review on exam topics, including: Mapping Multi-Tier Architectures to AWS Services, such as web/app servers, firewalls, caches and load balancers Understanding managed RDBMS through AWS RDS (MySQL, Oracle, SQL Server, Postgres, Aurora) Understanding Loose Coupling and Stateless Systems Comparing Different Consistency Models in AWS Services Understanding how AWS CloudFront can make your application more cost efficient, faster and secure Implementing Route tables, Access Control Lists, Firewalls, NAT, and DNS Applying AWS Security Features along with traditional Information and Application Security Using Compute, Networking, Storage, and Database AWS services Architecting Large Scale Distributed Systems Understanding of Elasticity and Scalability Concepts Understanding of Network Technologies Relating to AWS

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Deploying and Managing Services with tools such as CloudFormation, OpsWorks and Elastic Beanstalk. Learn from the AWS subject-matter experts, review with proven study tools, and apply real-world scenarios. If you are looking to take the AWS Certified Solutions Architect Associate exam, this guide is what you need for comprehensive content and robust study tools that will help you gain the edge on exam day and throughout your career.

Oracle 12c For Dummies McGraw-Hill Prof Med/Tech

Netezza focuses on technology designed to query and analyze big data. The company's innovative data warehouse appliances are disrupting the market. Wishing to exploit data at lower costs of operation and ownership, many of our customers have moved their data warehouses from Oracle.

Oracle has now brought Exadata to market; a machine which apparently does everything TwinFin does, and also processes online transactions. This

examination of Exadata and TwinFin as data warehouse platforms is written from an unashamedly Netezza viewpoint, however to ensure credibility we have taken advice from Philip Howard, Research Director of Bloor Research and Curt Monash, President, Monash Research. To innovate requires us to think and do things differently, solving a problem using new approaches. Netezza focuses exclusively on customers needs and wants for data warehousing. TwinFin delivers excellent performance for our customers' warehouse queries. TwinFin offers customers simplicity; anyone with basic knowledge of SQL and Linux has the skills needed to perform the few administrative tasks required to maintain consistent service levels through dynamically changing workloads. TwinFin's performance with simplicity reduces their costs of owning and running their data warehouses. More important, our customers create new business value by deploying analytic applications which previously they considered beyond their reach. "Netezza was part of the inspiration

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for Exadata. Teradata was part of the inspiration for Exadata," acknowledged Larry Ellison on January 27, 2010. We'd like to thank them for forcing our hand and forcing us go into the hardware business. While delivered with Larry Ellison's customary pizzazz, there is a serious point to his comment: only the best catch Oracle's attention. Exadata represents a strategic direction for Oracle; adapting their OLTP database management system, partnering it with a massively parallel storage system from Sun. Oracle launched Exadata V2 with the promise of extreme performance for processing both online transactions and analytic queries. That Oracle excels at OLTP is a given. But data warehousing and analytics make very different demands of their software and hardware than OLTP. Exadata's data warehousing credentials demand scrutiny, particularly with respect to simplicity and value. This eReport opens by reviewing differences between processing online transactions and processing queries and analyses in a data warehouse. It then discusses Exadata and TwinFin from perspectives of their query performance, simplicity of operation and value. All we ask of readers is that they do as our customers and partners have done: put aside notions of how a database management system should work, be open to new ways of thinking and be prepared to do less, not more, to achieve a better result. One caveat: Netezza has no direct access to an Exadata machine. We are fortunate in the detailed feedback we receive from many organizations that have evaluated both technologies and selected TwinFin. Given Oracle's size and their focus on Exadata, publicly available information on Exadata is surprisingly scarce. The use cases quoted by Oracle provide little input to the discussion, which in itself is of concern to several industry followers, e.g. Information Week. The information shared in this paper is made available in the spirit of openness. Any inaccuracies result from our mistakes, not an intent to mislead. Oracle Database 11g McGraw Hill Professional

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Create, validate, and transform XML documents with Oracle's JDeveloper IDE using this book and eBook.

Oracle PL/SQL by Example  
John Wiley & Sons  
Master Oracle Real Application Clusters  
Maintain a dynamic enterprise computing infrastructure with expert instruction from an Oracle ACE. Oracle Database 11g Oracle Real Application Clusters Handbook, Second Edition has been fully revised and updated to cover the latest tools and features. Find out how to prepare your hardware, deploy Oracle Real Application Clusters, optimize data integrity, and integrate seamless failover protection. Troubleshooting, performance tuning, and application development are also discussed in this comprehensive Oracle Press

guide. Install and configure Oracle Real Application Clusters Configure and manage diskgroups using Oracle Automatic Storage Management Work with services, voting disks, and Oracle Clusterware Repository Look under the hood of the Cache Fusion and Global Resource Directory operations in Oracle Real Applications Clusters Explore the internal workings of backup and recovery in Oracle Real Application Clusters Employ workload balancing and the Transparent Application Failover feature of an Oracle database Get complete coverage of Stretch Clusters, also known as Metro Clusters Troubleshoot Oracle Clusterware using the most advanced diagnostics available Develop custom Oracle Real Application Clusters

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applications  
Beginning Oracle Database 11g Administration Apress  
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 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



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BI, data warehousing, and partitioning features New SQL and PL/SQL enhancements

Oracle Database Performance and Scalability McGraw Hill Professional

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 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,

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command-line SQL\*Plus, and Apress 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.

Oracle Database 11g Building Oracle XML DB Applications

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

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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  
Oracle Database 11g The  
Complete Reference Publish  
Green  
In this book, Oracle experts  
Darl Kuhn, Sam Alapati, and  
Arup Nanda show you the  
power of Recovery Manager, or  
RMAN, which is Oracle's  
backup and recovery tool of  
choice. Oracle RMAN Recipes  
helps you take advantage of all  
that RMAN has to offer. This  
handy guide demystifies the  
steps required to protect your  
business data. It provides ready-  
made and example-based

solutions to common (and some  
not-so-common) backup and  
recovery operations.  
Oracle PL/SQL  
Programming Apress  
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,

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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 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

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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

Oracle Database 10g DBA  
Handbook McGraw Hill  
Professional

This integrated learning solution teaches all the Oracle PL/SQL skills you need, hands-on, through real-world labs, extensive examples, exercises, and projects! Completely updated for Oracle 11g, Oracle PL/SQL by Example ,

Fourth Edition covers all the fundamentals, from PL/SQL syntax and program control through packages and Oracle 11g ' s significantly improved triggers. One step at a time, you ' ll walk through every key task, discovering the most important PL/SQL programming techniques on your own. Building on your hands-on learning, the authors share solutions that offer deeper insights and proven best practices. End-of-chapter projects bring together all the techniques you ' ve learned, strengthening your understanding through real-world practice. This book ' s approach fully reflects the authors ' award-winning experience teaching PL/SQL programming to professionals at Columbia University. New database developers and DBAs can use its step-by-step instructions to get productive fast; experienced PL/SQL programmers can use this book as a practical solutions reference. Coverage includes • Mastering basic PL/SQL concepts and general programming language fundamentals, and understanding SQL ' s role in PL/SQL • Using conditional and iterative program

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control techniques, including the new CONTINUE and CONTINUE WHEN statements

- Efficiently handling errors and exceptions
- Working with cursors and triggers, including Oracle 11g 's powerful new compound triggers
- Using stored procedures, functions, and packages to write modular code that other programs can execute
- Working with collections, object-relational features, native dynamic SQL, bulk SQL, and other advanced PL/SQL capabilities
- Handy reference appendices: PL/SQL formatting guide, sample database schema, ANSI SQL standards reference, and more

Oracle Database 11g Oracle Real Application Clusters Handbook, 2nd Edition McGraw Hill Professional

Maximize Oracle Exadata Capabilities Leverage all of the powerful features available in the Oracle Exadata Database Machine using the proven techniques inside this Oracle Press guide. Written by Oracle experts, Achieving Extreme Performance with Oracle Exadata shows you how to take full advantage of this complete,

optimized package of software, servers, and storage. Best practices for enterprise deployments, high availability, administration, backup and recovery, data warehousing, online transaction processing, consolidation, and migration are included in this authoritative resource. Take advantage of the tightly integrated hardware and software in the Oracle Exadata Database Machine Work with Oracle Exadata software features, including Smart Scans, Oracle Exadata Hybrid Columnar Compression, storage indexes, Oracle Exadata Smart Flash Cache, and I/O Resource Manager Understand Oracle Exadata Database Machine balanced hardware architecture Architect, administer, and monitor Oracle Exadata Storage Servers Deploy data warehouses on the Oracle Exadata Database Machine Run online transaction processing (OLTP) workloads on the Oracle Exadata Database Machine Consolidate databases with and migrate databases to the Oracle Exadata Database Machine Oracle PL/SQL Programming

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Sideris Courseware Corp.

This book is the definitive reference on PL/SQL, considered throughout the database community to be the best Oracle programming book available. Like its predecessors, this fifth edition of Oracle PL/SQL Programming covers language fundamentals, advanced coding techniques, and best practices for using Oracle's powerful procedural language. Thoroughly updated for Oracle Database 11g Release 2, this edition reveals new PL/SQL features and provides extensive code samples, ranging from simple examples to complex and complete applications, in the book and on the companion website. This indispensable reference for both novices and experienced Oracle programmers will help you: Get PL/SQL programs up and running quickly, with clear instructions for executing, tracing, testing, debugging, and managing PL/SQL code

Optimize PL/SQL performance with the aid of a brand-new chapter in the fifth edition  
Explore datatypes, conditional and sequential control statements, loops, exception handling, security features, globalization and localization issues, and the PL/SQL architecture  
Understand and use new Oracle Database 11g features, including the edition-based redefinition capability, the function result cache, the new CONTINUE statement, fine-grained dependency tracking, sequences in PL/SQL expressions, supertype invocation from subtypes, and enhancements to native compilation, triggers, and dynamic SQL  
Use new Oracle Database 11g tools and techniques such as PL/Scope, the PL/SQL hierarchical profiler, and the SecureFiles technology for large objects  
Build modular PL/SQL applications using procedures, functions, triggers, and packages

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## Oracle Exadata and Netezza

### TwinFin Compared Apress

Tackling some of the more than 500 updates to Oracle 11g that are intended to automate the inherent complexity of the Oracle engine, this guidebook explores all of the new features from the perspective of a working Oracle professional. This valuable resource examines only the important Oracle 11g enhancements and includes expert discussion about each new feature, why the new feature is important, and how to use the new 11g functionality. Written by working Oracle experts for both current DBAs and Oracle developers and programmers, this flagship book on Oracle 11g explores language and PL/SQL, DBA features, RAC and enhancements, performance features, new security features, and Enterprise Manager.

Oracle 11g R1/R2 Real Application Clusters Essentials  
"O'Reilly Media, Inc."

ORACLE 11G: SQL is not simply a study guide; it is written for individuals who have just a basic knowledge of databases and can be utilized in a course on this latest implementation of SQL from

Oracle.

### RMAN Recipes for Oracle Database 11g Tata McGraw-Hill Education

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.

OCP Oracle Database 11g New Features for Administrators Exam Guide (Exam 1Z0-050) Packt Publishing Ltd  
Master Application



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Development in a Mixed-Platform Environment Build powerful database applications in a mixed environment using the detailed information in this Oracle Press guide. Oracle Database 11g & MySQL 5.6 Developer Handbook lays out programming strategies and best practices for seamlessly operating between the two platforms. Find out how to migrate databases, port SQL dialects, work with Oracle MySQL databases, and configure effective queries. Security, monitoring, and tuning techniques are also covered in this comprehensive volume. Understand Oracle Database 11g and MySQL 5.6 architecture Convert databases between platforms and ensure transactional integrity Create tables, sequences, indexes, views, and

user accounts Build and debug PL/SQL, SQL\*Plus, SQL/PSM, and MySQL Monitor scripts Execute complex queries and handle numeric and date mathematics Merge data from source tables and set up virtual directories [Oracle Essentials](#) Apress Make your Oracle database virtually impregnable to hackers using the knowledge in this book. With over 50 recipes, you'll quickly learn protection methodologies that use industry certified techniques to secure the Oracle database server. Learn to protect your sensitive data by using industry certified techniques Implement and use ultimate techniques in Oracle Security and new security features introduced in Oracle 11g R2 Implement strong network communication security using different encryption solutions provided by Oracle Advanced Security In Detail For almost all organizations, data security is a matter of prestige and credibility. The Oracle Database is

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one of the most rich in features and probably the most used Database in a variety of industries where security is essential. To ensure security of data both in transit and on the disk, Oracle has implemented the security technologies to achieve a reliable and solid system. In Oracle 11g Anti-Hacker's Cookbook, you will learn about the most important solutions that can be used for better database security "Oracle 11g Anti-hacker's Cookbook" covers all the important security measures and includes various tips and tricks to protect your Oracle Database. "Oracle 11g Anti-hacker's Cookbook" uses real-world scenarios to show you how to secure the Oracle Database server from different perspectives and against different attack scenarios. Almost every chapter has a possible threads section, which describes the major dangers that can be confronted. The initial chapters cover how to defend the operating system, the network, the data and the users. The defense scenarios are linked and designed to prevent these attacks. The later chapters cover Oracle Vault, Oracle VPD,

Oracle Labels, and Oracle Audit. Finally, in the Appendices, the book demonstrates how to perform a security assessment against the operating system and the database, and how to use a DAM tool for monitoring. What you will learn from this book Get to grips with configuring a secure server at operating system level for Oracle Database Master how to secure data by using Oracle Cryptographic API and Transparent Data Encryption Get step-by-step instructions to implement a solid audit strategy by using the built in solutions and fine grained auditing Understand how to segregate and protect data access by using Oracle Vault Learn about different types of attacks and how to implement a solid defence against them Empathize the attacks and interceptions by using different techniques and tools such as sniffing, man-in-the-middle, brute force and password crackers. Approach This cookbook has recipes written in simple, easy to understand format with lots of screenshots and insightful tips and hints. Who this book is written for If you are an Oracle Database

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Administrator, Security Manager or Security Auditor looking to secure the Oracle Database or prevent it from being hacked, then this book is for you This book assumes you have a basic understanding of security concepts.