

## Oracle 12c New Features Sql Pl Sql And Administration

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Five Oracle 12c SQL, PL/SQL New Features To Take Advantage Of - John Mullins ~~Oracle 12C New Feature JSON Functions in SQL PL/SQL New Features in 12c and 18c by Steven Feuerstein Learn Oracle 12c New Features : for DBA's Oracle 12C New Feature - Multi Column List Partitioning~~  
**Oracle 12C New Feature Listagg function improvements**

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Oracle New feature 12c - Expand sql text ~~Oracle 12c new feature Identity column Oracle 12C New Feature DDL Logging Oracle 12c new feature CAST and CONVERSION Function and VALIDATE CONVERSION~~ Oracle New feature 12c - Multiple Index on same column in oracle *Partitioning in Oracle Explained with Real project Examples : Introduction* ~~Oracle Pivot with group total computation 1 PLSQL Performance Tuning Introduction to DBMS PROFILER What is Oracle Exadata? SQL 12c Tutorial 23 : SQL Creating PARTITION on Existing Table SQL 12c new feature~~

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Oracle PL SQL interview question Explain REF Cursor Strongly Typed Ref Cursor and Weakly typed Ref C ~~How to install and configure Oracle 12e Release 1 in Windows 8 64 bit. How to Convert a Non-Partitioned Table to Partitioned using Oracle Database 12c R2 Oracle Database Startup process Oracle 12C New feature - Creating Table Names Greater Than 30 char length Cool New Features for Developers in Oracle Database 18c and Oracle Database 12c~~ **Oracle 12c New Features || Oracle 12C || Oracle Database 12c New Feature ||**

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Oracle 12c Database New Features - Pluggable Database - Video 1

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Loading plans in SQL Baselines in Oracle ~~Oracle 12c new feature | Oracle LATERAL Inline View from 12.1 onwards~~

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Oracle 12c Database New Features - CloneDB - Video 2 *Oracle Database 12c: Partitioning Improvements with Tom Kyte* Oracle 12c New Features Sql  
Oracle Database SQL and PL/SQL New Features, The Oracle Database 12c: SQL and PL/SQL New Features training introduces you to the new features available in Oracle Database 12c. Explore the latest features available in SQL language and feature enhancements in PL/SQL, data types, language performance and data warehousing. In this course, you will be introduced to Oracle Database Exadata Express ...

Oracle Database SQL and PL/SQL New Features

Oracle 12c SQL and PL/SQL new features IDENTITY columns. Oracle Database 12c Release 1 introduces identity columns in the tables in compliance with the... Default column value to a sequence in Oracle 12c. Oracle Database 12c allows developers to default a column directly to... Support for 32K ...

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Oracle 12c SQL and PL/SQL New Features | Packt Hub

PL/SQL New Features and Enhancements in Oracle Database 12c Release 1 (12.1) Invoker Rights Functions Can Be Result-Cached. The PL/SQL Function Result Cache was introduced in Oracle 11g Release 1. Libraries Defined Using Directory Objects and Credentials. In previous versions of the database, ...

ORACLE-BASE - PL/SQL New Features and Enhancements in ...

Oracle 12c New Features – Related to development : 1.Improved Error Handling in Oracle 12c : Oracle 12c gives the facility of improved error handling oracle 12c.It... 2.Size limit for datatypes are improved : The size limit for varchar 2,nvarchar2 and raw datatypes is increased.the size... 3.Table ...

Oracle 12c New Features | Latest Features of Oracle 12c

Oracle 12c brings in plenty of new features in SQL language. These new features are motivated from the usual language enhancements, ANSI compliance and even noted from the past pain points during migration. Although there are many SQL features to talk about, but I'll discuss catchy features in this write-up.

Oracle 12c SQL new features | by Eye On | Eye on Databases

During this Oracle Database 12c new features series, I shall be extensively exploring some of the miscellaneous, yet very useful, new additions and enhancements introduced in the areas of Database Administration, RMAN, Data Guard and Performance Tuning. Read Oracle Database 12c New Features – Part 1 Part 2 covers:

Oracle Database 12c New Features – Part 2 - Simple Talk

Before Oracle Database 12 c, the data types VARCHAR2, NVARCHAR2, and RAW had different maximum sizes in SQL and PL/SQL. In SQL, the maximum size of VARCHAR2 and NVARCHAR2 was 4,000 bytes and the maximum size of RAW was 2,000 bytes. In PL/SQL, the maximum size of each of these data types was 32,767 bytes.

Changes in This Release for Oracle Database PL/SQL ...

Oracle Database 12c New Features – Part I During this Oracle Database 12c new features article series, I shall be extensively exploring some of the very important new additions and enhancements introduced in the area of Database Administration, RMAN, High Availability and Performance Tuning.

Oracle Database 12c New Features – Part I - Simple Talk

With the release of Oracle Database 12c, Oracle has introduced this new SQL syntax to simplify fetching the first few rows. The new sql syntax "Fetch First X Rows only" can be used. 04. Adaptive Query Optimization and Online Stats Gathering:

Top 12 New Features of Oracle 12c Summarized | Oracle FAQ

Oracle 12c new features Oracle is planning to release its latest version Oracle 12c which would be a cloud based database management system. Please be

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aware that Oracle 12c has not been officially announced yet and so no decisions should be made on below features.

Oracle 12c new features – Oracle PL/SQL Technology blog

1 Oracle Database 12 c Release 1 (12.1.0.2) New Features 1.1 Advanced Index Compression. Advanced Index Compression works well on all supported indexes, including those indexes... 1.2 Approximate Count Distinct. The new and optimized SQL function, APPROX\_COUNT\_DISTINCT (), provides approximate ...

Oracle Database 12c Release 1 (12.1.0.2) New Features

By applying such collations to SQL operations, an application can perform string comparisons and matching in a case-insensitive way, independent of the language of the data. With the new Oracle Database 12 c Release 2 (12.2) ability to declare collations for columns, you can declare a column to always be compared in a case-insensitive way. The column collation, if not specified explicitly, is inherited from a table default collation, which in turn is inherited from a schema default collation.

Oracle Database 12c Release 2 (12.2) New Features

In Oracle Database 12c, we can define Table columns with SQL keyword IDENTITY This material is created by <http://techgoeasy.com/> and is for your personal and non-commercial use only. 12 Oracle 12c New Feature which is an American National Standards Institute (ANSI) SQL keyword. Which are auto-incremented at the time of insertion (like in MySQL).

Oracle 12c New Feature pdf - Techgoeasy

The following sections describe new features for the .NET and Microsoft development community. For more information about new features in Oracle Developer Tools for Visual Studio (ODT), see the ODT online help section titled "New Features for Oracle Developer Tools for Visual Studio". This online help is installed with the product.

Oracle Database 12c Release 1 (12.1.0.1) New Features

Oracle Database 12c Release 2 (12.2) is available on Oracle Cloud and on-premises! With it comes a whole host of new features to help you write better, faster applications. Note: Oracle Database 19c is the current long-term support release. If you're planning on upgrading, we strongly recommend you go straight to 19c.

12 Things Developers Will Love About Oracle Database 12c ...

Adaptive Query Optimization in Oracle Database 12c (12.1 and 12.2) - This article provides links to articles on the individual features of Adaptive Query Optimization. Adaptive SQL Plan Management (SPM) in Oracle Database 12c Release 1 (12.1) - Check out the changes to SQL Plan Management (SPM) in Oracle Database 12c Release 1 (12.1).

ORACLE-BASE - Oracle 12c Articles

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Until Oracle 11g SQL, the maximum precision allowed for a string type column was 4000. In Oracle 12c, the precision has been increased up-to 32767 bytes or 32 K. The new string data types will be known as Extended String Types in Oracle 12c. The feature is controlled by an initialization parameter MAX\_STRING\_SIZE.

Top Oracle 12c New Features for developers - Techgoeasy

Category: Oracle Database 12c New Features SQL Tuning Workshop. Last week I had the pleasure of delivering a five-part SQL Tuning Workshop for my local Oracle User Group – Northern California Oracle User Group. The workshop explains the fundamentals of the cost-based optimizer, the statistics that feed it, the hints that influence it and key ...

This book is for enthusiast who would like to know 12c new features with real life examples. This book expanded the following features of 12c SQL: - Row limiting clause, expand sqltext of a view, internal parser re-written sql, Invisible column, session level sequence, extended data type, truncate with cascade option, default value for NULL column, auto populate column using sequence and identity type, advanced index compression, Lateral/cross apply/outer apply, multiple index on a column, match\_recognise clause for inter-rows pattern, In memory column store etc. For 12c PL/SQL it has expanded the following features: - WITH clause improvement, PRAGMA UDF, REDACTION, BEQUEATH clause, Restructuring error stack and backtrace, enhancement in PL/SQL specific data type support in NDS & binding, white listing by means of accessible by clause, Invoker right code using result\_cache, improvement in conditional compilation, granting role to stored subprogram instead of user etc. For 12c ADMINISTRATION it has expanded the following features: - Adaptive query optimization and online stats gathering, faster online table column addition, DDL LOGGING, adding multiple new partition, global temporary table enhancement, stats gathering improvement, heat map, improvement in auditing using flashback, improvement in tracking security sensitive tables, import & export of version history, free flashback archive and optimize option, Multitenant container database with Pluggable database option etc. While explaining only 12c new features, I have tried to provide alternative approach prior to 12c also so that the reader can understand the concept with an ease. Hope this 75 pages book will help immensely to learn all the 12c new features and help the reader to use the features in real life confidently.

Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables, constraints, indexes, sequences, and more. The author then explores data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful

database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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

Start developing with Oracle SQL. This book is a one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of Beginning Oracle SQL for Oracle Database 18c is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15-20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful.

In this book, Steven Feuerstein, widely recognized as one of the world's experts on the Oracle PL/SQL language, distills his many years of programming, writing, and teaching about PL/SQL into a set of PL/SQL language "best practices"--rules for writing code that is readable, maintainable, and efficient. Too often, developers focus on simply writing programs that run without errors--and ignore the impact of poorly written code upon both system performance

and their ability (and their colleagues' ability) to maintain that code over time. Oracle PL/SQL Best Practices is a concise, easy-to-use reference to Feuerstein's recommendations for excellent PL/SQL coding. It answers the kinds of questions PL/SQL developers most frequently ask about their code: How should I format my code? What naming conventions, if any, should I use? How can I write my packages so they can be more easily maintained? What is the most efficient way to query information from the database? How can I get all the developers on my team to handle errors the same way? The book contains 120 best practices, divided by topic area. It's full of advice on the program development process, coding style, writing SQL in PL/SQL, data structures, control structures, exception handling, program and package construction, and built-in packages. It also contains a handy, pull-out quick reference card. As a helpful supplement to the text, code examples demonstrating each of the best practices are available on the O'Reilly web site. Oracle PL/SQL Best Practices is intended as a companion to O'Reilly's larger Oracle PL/SQL books. It's a compact, readable reference that you'll turn to again and again--a book that no serious developer can afford to be without.

Beginning Oracle SQL is your introduction to the interactive query tools and specific dialect of SQL used with Oracle Database. These tools include SQL\*Plus and SQL Developer. SQL\*Plus is the one tool any Oracle developer or database administrator can always count on, and it is widely used in creating scripts to automate routine tasks. SQL Developer is a powerful, graphical environment for developing and debugging queries. Oracle's is possibly the most valuable dialect of SQL from a career standpoint. Oracle's database engine is widely used in corporate environments worldwide. It is also found in many government applications. Oracle SQL implements many features not found in competing products. No developer or DBA working with Oracle can afford to be without knowledge of these features and how they work, because of the performance and expressiveness they bring to the table. Written in an easygoing and example-based style, Beginning Oracle SQL is the book that will get you started down the path to successfully writing SQL statements and getting results from Oracle Database. Takes an example-based approach, with clear and authoritative explanations Introduces both SQL and the query tools used to execute SQL statements Shows how to create tables, populate them with data, and then query that data to generate business results

Master the advanced concepts of PL/SQL for professional-level certification and learn the new capabilities of Oracle Database 12c About This Book Learn advanced application development features of Oracle Database 12c and prepare for the 1Z0-146 examination Build robust and secure applications in Oracle PL/SQL using the best practices Packed with feature demonstrations and illustrations that will help you learn and understand the enhanced capabilities of Oracle Database 12c Who This Book Is For This book is for Oracle developers responsible for database management. Readers are expected to have basic knowledge of Oracle Database and the fundamentals of PL/SQL programming. Certification aspirants can use this book to prepare for 1Z0-146 examination in order to be an Oracle Certified Professional in Advanced PL/SQL. What You Will Learn Learn and understand the key SQL and PL/SQL features of Oracle Database 12c Understand the new Multitenant architecture and Database In-Memory option of Oracle Database 12c Know more about the advanced concepts of the Oracle PL/SQL language such as external procedures, securing data using Virtual Private Database (VPD), SecureFiles, and PL/SQL code tracing and profiling Implement Virtual Private Databases to prevent unauthorized data access Trace, analyze, profile, and debug PL/SQL code while developing database applications Integrate the new application development features of Oracle Database 12c with the current concepts Discover techniques to analyze and maintain PL/SQL code Get acquainted with the best practices of writing PL/SQL code and develop secure applications In Detail Oracle Database is one of the most popular databases and allows users to make efficient use of their resources and to enhance service levels while reducing the IT costs incurred. Oracle Database is sometimes compared with Microsoft SQL Server, however, Oracle Database clearly supersedes SQL server in terms of high availability and addressing planned and unplanned downtime. Oracle PL/SQL provides a rich platform for application developers to code and build

scalable database applications and introduces multiple new features and enhancements to improve development experience. *Advanced Oracle PL/SQL Developer's Guide, Second Edition* is a handy technical reference for seasoned professionals in the database development space. This book starts with a refresher of fundamental concepts of PL/SQL, such as anonymous block, subprograms, and exceptions, and prepares you for the upcoming advanced concepts. The next chapter introduces you to the new features of Oracle Database 12c, not limited to PL/SQL. In this chapter, you will understand some of the most talked about features such as Multitenant and Database In-Memory. Moving forward, each chapter introduces advanced concepts with the help of demonstrations, and provides you with the latest update from Oracle Database 12c context. This helps you to visualize the pre- and post-applications of a feature over the database releases. By the end of this book, you will have become an expert in PL/SQL programming and will be able to implement advanced concepts of PL/SQL for efficient management of Oracle Database. **Style and approach** The book follows the structure of the Oracle Certification examination but doesn't restrict itself to the exam objectives. Advanced concepts have been explained in an easy-to-understand style, supported with feature demonstrations and case illustrations.

**Demystifying the power of the Oracle 12c database** The Oracle database is the industry-leading relational database management system (RDMS) used from small companies to the world's largest enterprises alike for their most critical business and analytical processing. Oracle 12c includes industry leading enhancements to enable cloud computing and empowers users to manage both Big Data and traditional data structures faster and cheaper than ever before. *Oracle 12c For Dummies* is the perfect guide for a novice database administrator or an Oracle DBA who is new to Oracle 12c. The book covers what you need to know about Oracle 12c architecture, software tools, and how to successfully manage Oracle databases in the real world. **Highlights the important features of Oracle 12c** Explains how to create, populate, protect, tune, and troubleshoot a new Oracle database **Covers advanced Oracle 12c technologies including Oracle Multitenant**—the "pluggable database" concept—as well as several other key changes in this release **Make the most of Oracle 12c's improved efficiency, stronger security, and simplified management capabilities with Oracle 12c For Dummies.**

**Master Oracle Database 12c PL/SQL Application Development** Develop, debug, and administer robust database programs. Filled with detailed examples and expert strategies from an Oracle ACE, *Oracle Database 12c PL/SQL Programming* explains how to retrieve and process data, write PL/SQL statements, execute effective queries, incorporate PHP and Java, and work with dynamic SQL. Code testing, security, and object-oriented programming techniques are fully covered in this comprehensive Oracle Press guide. **Explore new SQL and PL/SQL features in Oracle Database 12c** Build control structures, cursors, and loop statements **Work with collections, varrays, tables, and associative array collections** Locate and repair errors and employ exception handlers **Execute black box, white box, and integration tests** Configure and manage stored packages and libraries **Handle security with authentication and encryption** Use LOBs to store text and multimedia content **Write and implement PL/SQL and Java triggers** Extend functionality using dynamic SQL statements **Understand object types, nested tables, and unnesting queries**

**Leverage the New and Improved Features of Oracle Database 12c** Written by Oracle experts Bob Bryla and Robert G. Freeman, this Oracle Press guide describes the myriad new and enhanced capabilities available in the latest Oracle Database release. Inside, you'll find everything you need to know to get up and running quickly on Oracle Database 12c Release 2. Supported by contributions from Oracle expert Eric Yen, *Oracle Database 12c Release 2 New Features* offers detailed coverage of: • Installing Oracle Database 12c and Grid Infrastructure • Architectural changes, such as Oracle Multitenant • The most current information on upgrading and migrating to Oracle Database 12c • The pre-upgrade information tool and parallel processing for database

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upgrades • Oracle Real Application Clusters new features, such as Oracle Flex Cluster, Oracle Flex Automatic Storage Management, and Oracle Automatic Storage Management Cluster File System • Enhanced and new online operations: tables, indexes, and PDBs • Oracle RMAN enhancements, including cross-platform backup and recovery • Oracle Data Guard improvements, such as Fast Sync, and Oracle Active Data Guard new features, such as Far Sync • SQL, PL/SQL, DML, and DDL new features • Improvements to partitioning manageability, performance, and availability • Advanced business intelligence and data warehousing capabilities • Security enhancements, including privileges analysis, data redaction, and new administrative-level privileges • Manageability, performance, and optimization improvements

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