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Oracle Timesten In Memory Database

Oracle TimesTen In-Memory Database (TimesTen)

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delivers real time application performance (low response time and high throughput) by changing the assumptions around where data resides at runtime. By managing data in memory, and optimizing data structures and access algorithms accordingly, database operations execute with maximum efficiency achieving dramatic gains in responsiveness and throughput.

Oracle TimesTen In-Memory Database
Oracle TimesTen In-Memory Database (TimesTen) is a full-featured, memory-optimized, relational database that provides very fast response time and high throughput to mission critical applications. TimesTen can be deployed as TimesTen Scaleout and TimesTen Classic.

TimesTen In-Memory Database Overview - Oracle
Welcome Oracle TimesTen In-Memory Database in classic mode or TimesTen Classic refers to a single-instance database as in... Oracle TimesTen In-Memory Database in grid mode or TimesTen Scaleout refers to a multiple-instance distributed database. TimesTen provides an Operator for Kubernetes, an ...

Oracle TimesTen In-Memory Database
Documentation

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Oracle TimesTen In-Memory Database is a memory-optimized relational database. Deployed in the application tier, TimesTen operates on databases that fit entirely in physical memory using standard SQL interfaces. High availability for the in-memory database is provided through real-time transactional replication.

Oracle TimesTen In-Memory Database

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Oracle TimesTen In-Memory Database

Oracle TimesTen In-Memory Database (TimesTen) is a relational database that is memory-optimized for fast response and throughput. The database resides entirely in memory at runtime and is persisted to disk storage for the ability to recover and restart. Replication features allow high availability. TimesTen supports standard

Oracle® TimesTen In-Memory Database

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Oracle TimesTen In-Memory Database is a memory-optimized relational database that empowers applications with the instant responsiveness and very high throughput required by today's real-time enterprises and industries in communications, financial services, web applications, travel logistics, gaming, and more.

TimesTen In-Memory Database FAQ - Oracle TimesTen is a relational database with objects like tables, indexes, sequences, views, materialized views and PL/SQL packages and procedures. As TimesTen is an In-Memory Database, these objects are always in memory all of the time to enable extreme performance. These objects are also stored in the file system for persistence.

TimesTen Memory Management - Oracle Blogs Since this blog is about the Oracle TimesTen In-Memory Database, let's start by explaining what it is. The product documentation contains an introduction, and the Oracle Technology Network has several overview presentations that get into the

What is TimesTen? | Oracle TimesTen Talk Blog
Oracle TimesTen In-Memory Database 18c
Release 1 TimesTen Scaleout & TimesTen

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???? - Oracle TimesTen In-Memory Database
TimesTen is an in-memory, relational database management system with persistence and recoverability. Originally designed and implemented at Hewlett-Packard labs in Palo Alto, California, TimesTen spun out into a separate startup in 1996 and was acquired by Oracle Corporation in 2005.

TimesTen - Wikipedia

Oracle Data Provider for .NET 11.1.0.7.110 is available for Oracle TimesTen In-Memory Database. It enables fast data access for .NET applications using ADO.NET. This data provider supports TimesTen release 11.2.1.6.1 or later on Microsoft Windows 32-bit and 64-bit platforms.

Oracle® TimesTen In-Memory Database

The Oracle TimesTen In-Memory Database provides real-time data management. It provides application-tier database and transaction management built on a memory-optimized architecture accessed through industry-standard interfaces.

Oracle TimesTen In-Memory Database

Documentation

The TimesTen Quick Start applications can

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take up to 64 Mbytes of disk space. Depending on how your system is configured, you may not want to create the. Quick Start DemoDataStore directory in the default location, /oradb/app /oratta/TimesTen/tt1122/info/DemoDataStore.

Step by Step Oracle TimesTen In-Memory Database ...

This document contains all necessary information for installing the Oracle TimesTen® In-Memory Database (TimesTen) Data Manager, Client and Server components. The TimesTen CD contains a README.TXTfile that holds the release notes. These notes list product information and late changes to the printed documentation.

From operating systems to the cloud, Oracle's products and services are everywhere, and it has the market share to prove it. Given the share diversity of the Oracle product line, and the level of complexity of integration, management can be quite a daunting task. The CIO's Guide to Oracle Products and Solutions is the go-to guide for all things Oracle. It provides management-level guidance on how to successfully navigate and manage the full range of Oracle products. The book presents

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management best practices and user/developer lessons learned in the use of Oracle products and services. Supplying both conceptual and technical views, the text focuses on what CIOs need to do to orient, or reorient, their organization toward the use of Oracle products and services. It describes how to develop a strategic framework for the use of these products and services rather than the specific product or service itself. This strategic framework will help you to prepare, educate, keep up with change, mitigate risk, and implement with the confidence needed to succeed. Providing an overview of the suite of Oracle technologies and solutions, the book covers the heart of the Oracle products set, including Oracle analytics, enterprise performance management, Oracle cloud, data management, application development, social business, and fusion. It examines compliance and security issues and includes metrics to help you evaluate potential solutions. The book also provides readers with access to a set of helpful resources on the book's page at www.crcpress.com, including cloud procurement best practices, cloud migration tips, a sample project procurement plan template, and various glossaries.

Oracle is a relational database technology developed by Oracle.PL/SQL is available in Oracle Database (since version 6 - stored PL/SQL procedures/functions/packages/triggers since version 7), Times Ten in-memory

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database (since version 11.2.1), and IBM DB 2 (since version 9.7). Oracle Corporation usually extends PL/SQL functionality with each successive release of the Oracle Database. PL/SQL is a procedural extension of SQL, making it extremely simple to write procedural code that includes SQL as if it were a single language. This book gives a brief overview of some of the important points you should consider when first trying to learn PL/SQL.

Learn Database design, development, and administration using the feature-rich SQL Developer 4.1 interface About This Book Explore all the SQL Developer 4.1 features useful for Oracle database developers, architects, and administrators Understand how this free tool from Oracle has evolved over the years and has become a complete tool that makes life easy for Oracle and third-party database users The author, Ajith Narayanan, has a total of 10+ years of work experience as an Oracle [APPS] DBA Who This Book Is For This book is intended for Oracle developers who are responsible for database management. You are expected to have programming knowledge of SQL and PL/SQL, and must be familiar with basic Oracle database concepts. What You Will Learn Install and navigate through all the advanced features of SQL Developer that were introduced in version 4.1 Browse, create, edit, and delete (drop) database objects Use the SQL worksheet to run

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SQL statements and scripts, edit and debug PL/SQL code, manipulate and export (unload) data Carry out all DBA-related activities such as exporting/importing, tuning, and analyzing database performance issues Quickly analyze, create, and edit the data model using data modeler Extend the SQL developer capabilities by exploring the APEX related pages, enabling and working with RESTful services Use the available reports and create new custom reports with custom scripts Grasp how to connect to third-party databases and work smoothly with them In Detail At times, DBAs support 100s of databases at work. In such scenarios, using a command-line tool like putty adds to the difficulty, while SQL Developer makes the life of a developer, DBA, or DB architect easier by providing a graphical user interface equipped with features that can bolster and enhance the user experience and boost efficiency. Features such as DBA panel, Reports, Data Modeler, and Data Miner are just a few examples of its rich features, and its support for APEX, REST Services, timesten, and third-party database drivers demonstrate its extensibility. You may be a newbie to databases or a seasoned database expert, either way this book will help you understand the database structure and the different types of objects that organize enterprise data in an efficient manner. This book introduces the features of the SQL Developer 4.1 tool in an incremental fashion, starting

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with installing them, making the database connections, and using the different panels. By sequentially walking through the steps in each chapter, you will quickly master SQL Developer 4.1. Style and approach This book follows a step-by-step approach and is in a conversational and easy-to-follow style. Screenshots, and detailed explanations of the basic and advanced features of SQL Developer 4.1 that will make your work and life easy.

Master Oracle NoSQL Database Enable highly reliable, scalable, and available data. Oracle NoSQL Database: Real-Time Big Data Management for the Enterprise shows you how to take full advantage of this cost-effective solution for storing, retrieving, and updating high-volume, unstructured data. The book covers installation, configuration, application development, capacity planning and sizing, and integration with other enterprise data center products. Real-world examples illustrate the concepts presented in this Oracle Press guide. Understand Oracle NoSQL Database architecture and the underlying data storage engine, Oracle Berkeley DB Install and configure Oracle NoSQL Database for optimal performance Develop complex, distributed applications using a rich set of APIs Read and write data into the Oracle NoSQL Database key-value store Apply an Avro schema to the value portion of the key-value pair using Avro

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bindings Learn best practices for capacity planning and sizing an enterpriselevel Oracle NoSQL Database deployment Integrate Oracle NoSQL Database with Oracle Database, Oracle Event Processing, and Hadoop Code examples from the book are available for download at www.OraclePressBooks.com.

This book presents a detailed review of high-performance computing infrastructures for next-generation big data and fast data analytics. Features: includes case studies and learning activities throughout the book and self-study exercises in every chapter; presents detailed case studies on social media analytics for intelligent businesses and on big data analytics (BDA) in the healthcare sector; describes the network infrastructure requirements for effective transfer of big data, and the storage infrastructure requirements of applications which generate big data; examines real-time analytics solutions; introduces in-database processing and in-memory analytics techniques for data mining; discusses the use of mainframes for handling real-time big data and the latest types of data management systems for BDA; provides information on the use of cluster, grid and cloud computing systems for BDA; reviews the peer-to-peer techniques and tools and the common information visualization techniques, used in BDA.

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This book provides a comprehensive treatment of the rapidly changing world of Web-based business technologies and their often-disruptive innovations. The history of the Web is a short one. Indeed many college graduates today were not even born when the Web first emerged. It is therefore an opportune time to view the Web as having reached the point of graduation. The Web has led to new ways in which businesses connect and operate, and how individuals communicate and socialize; related technologies include cloud computing, social commerce, crowd sourcing, and the Internet of Things, to name but a few. These developments, including their technological foundations and business impacts, are at the heart of the book. It contextualizes these topics by providing a brief history of the World Wide Web, both in terms of the technological evolution and its resultant business impacts. The book was written for a broad audience, including technology managers and students in higher education. It is also intended as a guide for people who grew up with a background in business administration or engineering or a related area but who, in the course of their career paths, have reached a point where IT-related decisions have become their daily business, e.g., in digital transformation. The book describes the most important Web technologies and related business applications, and especially focuses on the business implications of these technologies.

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As such, it offers a solid technology- and business-focused view on the impact of the Web, and balances rules and approaches for strategy development and decision making with a certain technical understanding of what goes on "behind the scenes."

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

This book constitutes the proceedings of the Second Technology Conference on Performance Evaluation and Benchmarking, TPCTC 2010, held in conjunction with the 36th International Conference on Very Large Data Bases, VLDB 2010, in Singapore, September 13-17, 2010. The 14 full papers and two keynote papers were carefully selected and reviewed from numerous submissions. This book considers issues such as appliance; business intelligence; cloud computing; complex event processing; database optimizations; data compression; energy and space efficiency, green computing; hardware innovations; high speed data generation; hybrid workloads; very large memory systems; and virtualization.

Take a deep dive into one of the most

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significant SQL Server features—support for In-Memory Online Transaction Processing. The latest developments are covered, including support of off-row storage, columnstore indexes and operational analytics, changes in programmability and native compilation, and more. This book describes the architecture and internals of the In-Memory OLTP Engine and explains how to develop, deploy, and maintain systems using it. With it you can dramatically increase transaction throughput to handle thousands of transactions per second supporting millions of customers. Learn the architecture and the internals of In-Memory OLTP in order to recognize when technology can make a difference. Recognize opportunities for In-Memory OLTP in new development and understand how to benefit from it in existing systems. Don't be without Dmitri Korotkevitch and the deep expertise he imparts in Expert SQL Server In-Memory OLTP, 2nd Edition as you move forward in using SQL Server's In-Memory OLTP technology. Dmitri Korotkevitch is the five-star author of Pro SQL Server Internals, and brings the same combination of clear thinking and deep expertise to help you in this second edition. The book: Explains In-Memory OLTP internals, architecture and programmability, including data storage, indexing, multi-version concurrency control, transaction logging and recovery, and native compilation Covers SQL Server 2016 technology enhancements, including columnstore indexes and off-row

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storage Guides in using In-Memory OLTP in new development and existing systems What You'll Learn Grasp how SQL Server stores and works with data in memory-optimized tables Properly design and index memory-optimized tables Plan successful deployments, including the required memory size and I/O configuration Accelerate T-SQL processing through the creation of natively compiled modules Monitor and report on the benefits and performance of your In-Memory OLTP solutions Benefit from the technology in existing systems and in the systems with the mixed workload Who This Book Is For Application developers and database administrators who create and manage online transaction processing (OLTP) systems; in particular, those wanting to take advantage of SQL Server's new offering of in-memory OLTP to dramatically improve performance and throughput of their systems

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