Oracle Database 11g R2: Architecture & Internals

Sideris

Oracle Database 11g R2: Architecture & Internals

Sideris

Oracle Database 11g R2: Architecture & Internals Sideris
Success in database administration and tuning, or in the development of database applications, depends upon having a sufficient understanding of the architecture and internal mechanisms which operate within the database. Without such an understanding, one could implement such things as structural changes, performance tuning adjustments and other modifications to the environment which could actually be counterproductive. The purpose of this unique and popular Oracle 11g training course is to reveal the underlying architecture of the Oracle database environment. This course is also intended to be of help to information technology (IT) managers and executives who require an understanding of the technology upon which they and their staff rely. This course is often used in combination with other advanced Oracle database administration or database developer courses to provide the prerequisite foundation in the architecture of the database. Major objectives covered within this training guide include: - Understanding the broader Oracle enterprise architecture, including the client, middleware and database tiers found within a multi-tiered enterprise environment; - Understand key computing concepts such as parallelization, grid-based resource acquisition and clusters; - Understanding the role of database machines, such as the Exadata database computing machines and storage machines; - An in-depth exploration of the database architecture, including memory, process and data structures, and the composition of an Oracle database instance; - Alternative modes of database operation, including dedicated server mode, shared servers mode, parallel execution and how one selects the appropriate mode for each environment; - Consider the role of the Shared Global Area (SGA) and the various memory caches and subcaches which can be optionally configured within that space; - Consider the complimentary role of the Program Global Area (PGA), also known as the Process Global Area; - Discuss the role of the instance background processes, including those which are optional and those which can have additional instances optionally launched; - Consider physical database storage structures such as tablespaces, data files, blocks and the internal format of rows; - Consider the alternative row-level storage option of hybrid columnar compression; - Compare and contrast internal storage of data segments, B-tree and bitmap index segments; - Review all of the possible database object types which one may find within the logical application database; - The schema and ownership context in which logical database objects reside; - The editions context in which database objects can exist in different forms and how hot application upgrades are supported by database editions; - This architectural discussion will be much more than just a presentation of theoretical concepts; - After explaining in logical terms the architectural component under consideration, this course module will frequently show the component as it is actually rendered by the Enterprise Manager graphical interface for database administrators. At other times this course will use the SQL command-line interface to explain the characteristics of the architectural component being discussed; - Furthermore, while other modules within this curriculum are focused on the actual administration of these database components, in some cases we will demonstrate within this course how one creates or configures some of these elements under discussion.

Download and Read Free Online Oracle Database 11g R2: Architecture & Internals Sideris

---

From reader reviews:

Richard Twombly:

Have you spare time for the day? What do you do when you have a lot more or little spare time? Yeah, you can choose the suitable activity to get spend your time. Any person spent their spare time to take a go walking, shopping, or went to often the Mall. How about open or maybe read a book entitled Oracle Database 11g R2: Architecture & Internals? Maybe it is to be best activity for you. You realize beside you can spend your time along with your favorite's book, you can better than before. Do you agree with it is opinion or you have various other opinion?

Amy Davis:

The guide with title Oracle Database 11g R2: Architecture & Internals includes a lot of information that you can learn it. You can get a lot of profit after read this book. This specific book exist new expertise the information that exist in this reserve represented the condition of the world at this point. That is important to yo7u to find out how the improvement of the world. This specific book will bring you inside new era of the syndication. You can read the e-book on the smart phone, so you can read it anywhere you want.

Claudia Fox:

Do you have something that you prefer such as book? The reserve lovers usually prefer to opt for book like comic, small story and the biggest some may be novel. Now, why not hoping Oracle Database 11g R2: Architecture & Internals that give your enjoyment preference will be satisfied through reading this book. Reading habit all over the world can be said as the opportirnity for people to know world better then how they react towards the world. It can't be explained constantly that reading practice only for the geeky man but for all of you who wants to always be success person. So , for every you who want to start reading as your good habit, you could pick Oracle Database 11g R2: Architecture & Internals become your own starter.

Bonnie Howe:

As a student exactly feel bored to be able to reading. If their teacher asked them to go to the library or make summary for some reserve, they are complained. Just little students that has reading's heart or real their leisure activity. They just do what the teacher want, like asked to go to the library. They go to at this time there but nothing reading critically. Any students feel that studying is not important, boring as well as can't see colorful pictures on there. Yeah, it is to be complicated. Book is very important in your case. As we know that on this time, many ways to get whatever we wish. Likewise word says, many ways to reach Chinese's country. Therefore this Oracle Database 11g R2: Architecture & Internals can make you experience more interested to read.

Download and Read Online Oracle Database 11g R2: Architecture & Internals Sideris #83VIUFP6TMG

Read Oracle Database 11g R2: Architecture & Internals by Sideris for online ebook

Oracle Database 11g R2: Architecture & Internals by Sideris Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Oracle Database 11g R2: Architecture & Internals by Sideris books to read online.

Online Oracle Database 11g R2: Architecture & Internals by Sideris ebook PDF download

Oracle Database 11g R2: Architecture & Internals by Sideris Doc

Oracle Database 11g R2: Architecture & Internals by Sideris Mobipocket

Oracle Database 11g R2: Architecture & Internals by Sideris EPub