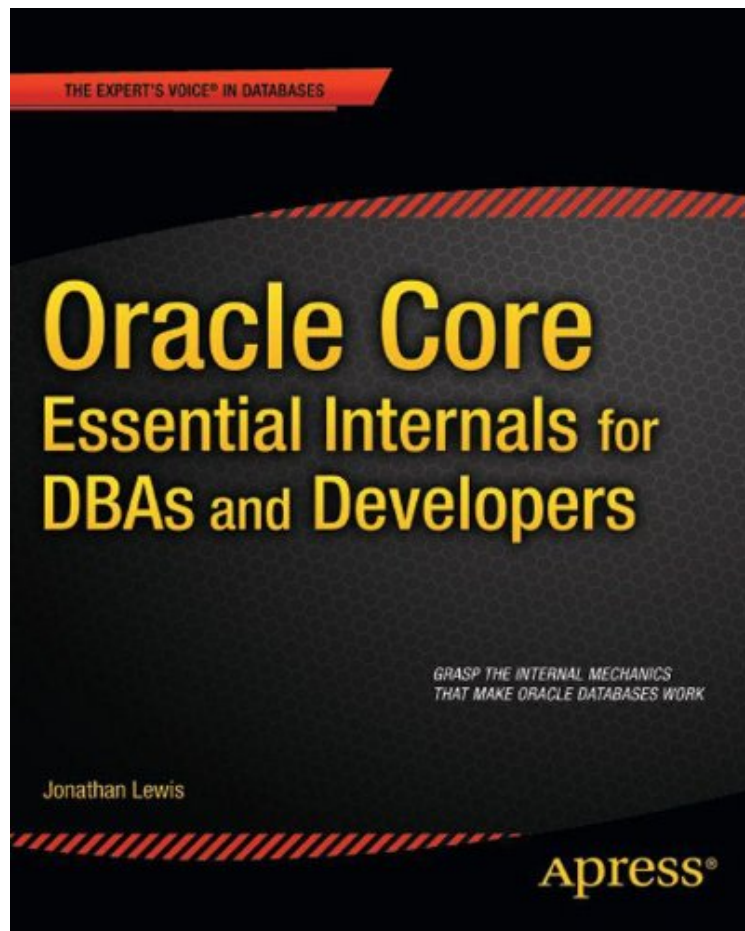


(Online library) Oracle Core: Essential Internals for DBAs and Developers (Expert's Voice in Databases)

Oracle Core: Essential Internals for DBAs and Developers (Expert's Voice in Databases)

Von Jonathan Lewis

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Von Jonathan Lewis : Oracle Core: Essential Internals for DBAs and Developers (Expert's Voice in Databases) before purchasing it in order to gauge whether or not it would be worth my time, and all praised Oracle Core: Essential Internals for DBAs and Developers (Expert's Voice in Databases):

Kundenrezensionen Hilfreichste Kundenrezensionen 5 von 5 Kunden fanden die folgende Rezension hilfreich. Herz der Finsternis Von M. Preiss Jonathan Lewis hat - zum dritten Mal (nach seiner CBO-Bibel Cost-Based Oracle und dem selbst heute noch relevanten Practical Oracle 8i aus dem Jahr 2000) - ein grundlegendes Buch zum Verständnis des Oracle Servers vorgelegt. Tanel Poder, der offizielle Technical Reviewer des Bandes (was ein weiteres Qualitätssiegel wäre, wenn man noch eines brauchte), schreibt in einem -Kommentar: "It will probably become THE technical source for Oracle internals information for the next 10 years, just like Steve Adams'es Oracle Internal Services book was in the previous decade." Und damit hat er vermutlich recht. Was der Autor in seinem Buch leistet, ist das, was Tom Kyte

in Expert Oracle Database Architecture explizit verweigert: "Time and time again, I get questions regarding the exact bits and bytes of redo and undo. People seem to want to have a very detailed specification of exactly, precisely, what is in there. I never answer those questions." (Kyte, Expert Oracle Database Architecture, S. 299) Der Herr Kyte hat dafür durchaus gute Gründe: er will die grundlegenden Konzepte erläutern und erklären, wozu redo und undo gedacht sind und wie sie zusammenarbeiten. Möglicherweise sieht er auch ein ähnliches Problem wie Tanel Poder, dessen (in Oracle Core zitierte) Erklärung, warum er selbst kein Buch über Oracle Internals schreiben sollte, lautet: "I think the subject just changes too fast." (S. XIV) Dass Jonathan Lewis trotzdem ein Buch geschrieben hat, dessen Halbwertszeit - meiner Einschätzung nach - recht hoch sein wird, liegt daran, dass er in erster Linie über die grundlegendsten Mechanismen des Oracle Servers schreibt, und diese Mechanismen sind letztlich doch recht stabil. Vieles von dem, was man in Oracle Core findet, konnte man auch schon anderswo lesen: vor allem in den zahlreichen hochklassigen Blogs der Oracle-Community. Aber die konsistente Darstellung dieser Einzelbeobachtungen im Zusammenhang ist die große Leistung des Herrn Lewis, der meiner Meinung nach ohnehin einer der besten Stilisten unter den Oracle-Autoren ist. Wie bleibt der Jonathan Lewis nicht bei Behauptungen stehen, sondern belegt seine (zum großen Teil deduktiv gewonnenen) Annahmen durch nachvollziehbare Tests und Beispiele - wobei er die großen Möglichkeiten der Instrumentierung des Servers virtuos heranzieht. Das Buch ist sicherlich keine einfache Lektüre, kein Einsteigerbuch im Sinne einer raschen Einführung in die Praxis. Als Einstieg für technische kompetente Leser ist es allerdings sehr gut geeignet, weil es die grundlegenden Konzepte und ihre Funktion erläutert - wer die interne Arbeit des RDBMS verstehen möchte, wird hier Antworten finden.

Kurzbeschreibung Oracle Core: Essential Internals for DBAs and Developers by Jonathan Lewis provides just the essential information about Oracle Database internals that every database administrator needs for troubleshooting no more, no less. Oracle Database seems complex on the surface. However, its extensive feature set is really built upon upon a core infrastructure resulting from sound architectural decisions made very early on that have stood the test of time. This core infrastructure manages transactions and the ability to commit and roll back changes, protects the integrity of the database, enables backup and recovery, and allows for scalability to thousands of users all accessing the same data. Most performance, backup, and recovery problems that database administrators face on a daily basis can easily be identified through understanding the essential core of Oracle Database architecture that Lewis describes in this book. Provides proven content from a world-renowned performance and troubleshooting expert Emphasizes the significance of internals knowledge to rapid identification of database performance problems Covers the core essentials and does not waste your time with esoterica What you'll learn Oracle's core architectural foundations How much overhead is reasonable How to recognize when you're doing too much work How to predict bottlenecks and why they will happen How to minimize contention and locking Why concurrency can slow things down significantly Who this book is for Oracle Core: Essential Internals for DBAs and Developers is aimed at database administrators ready to move beyond the beginning stage of doing work by rote towards the mastery stage, in which knowledge of what needs to be done comes not from a set of recipe-style instructions, but rather from the intimate knowledge and understanding of the system to be managed. Experienced database administrators will also find the book useful in solidifying their knowledge and filling in any missing pieces of the Oracle Database puzzle. Kurzbeschreibung Oracle Core: Essential Internals for DBAs and Developers by Jonathan Lewis provides just the essential information about Oracle Database internals that every database administrator needs for troubleshooting no more, no less. Oracle Database seems complex on the surface. However, its extensive feature set is really built upon upon a core infrastructure resulting from sound architectural decisions made very early on that have stood the test of time. This core infrastructure manages transactions and the ability to commit and roll back changes, protects the integrity of the database, enables backup and recovery, and allows for scalability to thousands of users all accessing the same data. Most performance, backup, and recovery problems that database administrators face on a daily basis can easily be identified through understanding the essential core of Oracle Database architecture that Lewis describes in this book. Provides proven content from a world-renowned performance and troubleshooting expert Emphasizes the significance of internals knowledge to rapid identification of database performance problems Covers the core essentials and does not waste your time with esoterica What you'll learn Oracle's core architectural foundations How much overhead is reasonable How to recognize when you're doing too much work How to predict bottlenecks and why they will happen How to minimize contention and locking Why concurrency can slow things down significantly Who this book is for Oracle Core: Essential Internals for DBAs and Developers is aimed at database administrators ready to move beyond the beginning stage of doing work by rote towards the mastery stage, in which knowledge of what needs to be done comes not from a set of recipe-style instructions, but rather from the intimate knowledge and understanding of the system to be managed. Experienced database administrators will also find the book useful in solidifying their knowledge and filling in any missing pieces of the Oracle Database puzzle. über den Autor und weitere Mitwirkende Jonathan Lewis has been working in the information technology industry for nearly 25 years, and has been using the Oracle relational database management

system for more than 20. For the past 16 years, he has worked as a freelance consultant, often spending only one or two days at a time with any client to address critical performance problems. He also advises on design and implementation problems, and on how to make best use of the most appropriate Oracle features for a given project. Jonathan is also renowned throughout the world for his tutorials and seminars about the Oracle database engine and how to make best use of it. Having visited 42 countries at last count, his exceptional ability has earned him an O1 visa from the United States, allowing him to do consultancy and lecture work there. Jonathan has written two books about Oracle (*Practical Oracle8i*, Addison-Wesley, 2000; *Cost-Based Oracle Fundamentals*, Apress, 2005), and has contributed to two others (*Oracle Insights*, Apress, 2004; *Oracle Database 10g New Features*, Oracle Press, 2004). He also writes regularly for the UKOUG magazine, and occasionally for other publications around the world. In the limited amount of time he has leftover, Jonathan also publishes high-tech Oracle articles on his blog at jonathanlewis.wordpress.com.