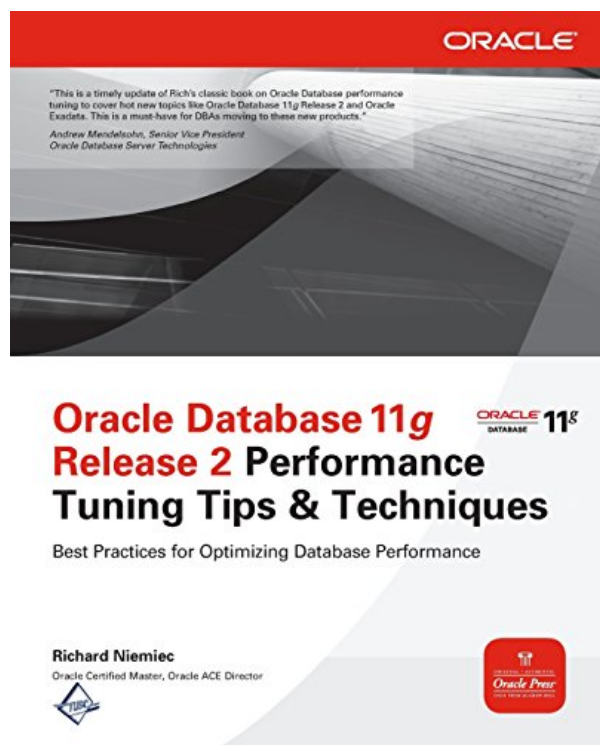
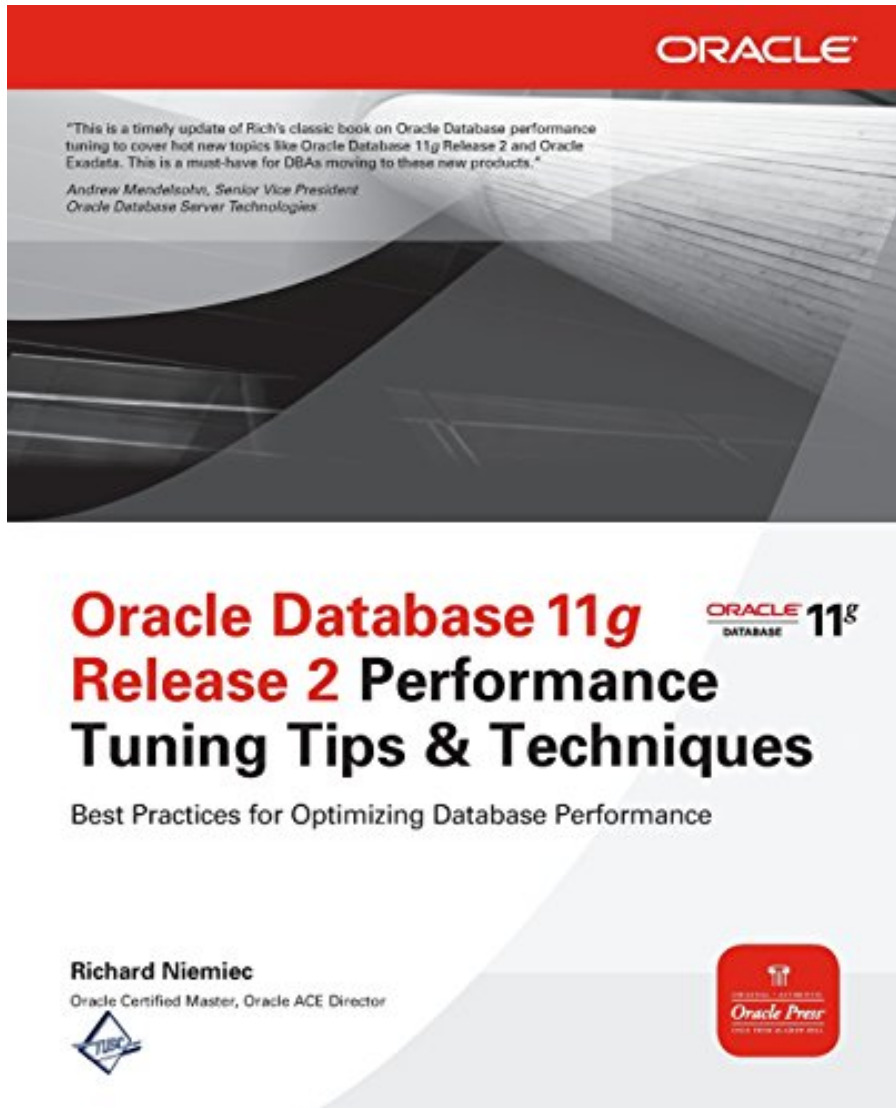


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About the Author

Richard Niemiec is an Oracle Ace Director and one of only six originally honored Oracle Certified Masters worldwide. He was a co-founder and the CEO of TUSC, a Chicago-based systems integrator of Oracle-based business solutions. Rich currently serves as an Executive Advisor to Rolta International Board of Directors and has served as President of Rolta TUSC and Rolta EICT. TUSC was the Oracle Partner of the Year in 2002, 2004, 2007, 2008, and 2010 (Rolta TUSC). Rich is the past President of the International Oracle Users Group (IOUG) and the current President of the Midwest Oracle Users Group (MOUG). He is the bestselling author of Oracle Databasa 10g Performance Tuning Tips & Techniques, and he was inducted into the Entrepreneurship Hall of Fame in 1998.

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39 of 40 people found the following review helpful.

Good but not perfect

By John Watson

The book is aimed at "helping beginner and intermediate Oracle professionals" (page 2). Presumably that means knowledge equivalent to OCA or OCP qualifications. For the intended market it should be excellent, if (like me) you are OCM, you will learn not that much. But there are some issues.

The good stuff first: chapters 2 (indexes), 6 (explain plan), 7 (hints), 8 (query tuning), 9 (joins), 10 (pl/sql), 11 (parallelism only - ignore the stuff about Exa% and RAC, they can't be covered in just a few pages), 12 (v\$ views) and 13 (x\$ tables) are excellent and make the book worth the price. They get it the 4 star rating.

Some other chapters (and the 3 appendices) may be interesting, but they aren't essential reading: chapters 1 (new features), 5 (Enterprise Manager), 15 (a system review method), and 16 (some Unix commands).

Three remaining chapters are good, but have problems. Chapter 3 on discs and ASM does go on about placing files on different discs to eliminate contention. This is dreadfully old fashioned, and I assume has been copied from previous versions of the book. I hope everyone knows that best practice is to stripe all your file systems across all your discs. Chapter 4 (initialization parameters) is also out of date: it goes on about tuning with hit ratios, which is very 20th century. Chapter 14 (AWR and Statspack reports) is good as far as it goes, but it misses a critical topic: there is no mention of DB Time and v\$sys_time_model, even though this is the first part of a report that many DBAs will go to.

Now the bad stuff. First, the technical editing is poor. All authors make mistakes (I certainly do) and the tech editors are meant to catch them. Just a few incontrovertible examples:

Page 4, the description of Exadata storage indexes is wrong, "...which cells need to be accessed..." should read "...which blocks need to be accessed..." Pages 21,22 include an example of code to set up a flashback data archive, which ends with a query that can't work because it projects a column that isn't in the table. On page 334, the first example can't work because the hint is missing the table name. There are many more like this, I'll send all the ones I spotted to McGraw-Hill for inclusion in the errata sheet. Things like this are not trivial, they can be confusing or misleading. Be sure to download the errata.

Second, the bad one: the author is wrong on how redo is generated. Page 147 gives a description of redo which suggests that only committed changes and changes to undo segments generate redo, but that uncommitted changes do not. Page 782 compounds the error by suggesting that redo is no longer written to disc in near-as-damnit real time (and of course it is real time on commit), and page 866 makes it even worse by saying that whole blocks (not change vectors) go to the log buffer (as in release 5, perhaps?). Related to this is the wrong description of the log_buffer parameter (page 204, repeated on 1004) which states that the log buffer is used for "uncommitted transactions in memory". It also says incorrectly that you cannot set the parameter in an spfile. Understanding redo is critical, and is why I chopped a point off the score.

So overall, the book is good, but read it with your eyes open.

15 of 16 people found the following review helpful.

Comprehensive Guide for Developers and DBAs

By Robert Stackowiak

You'll find plenty of examples of techniques to use when tuning for Oracle Database 11g Release 2 performance, especially at the command line level. However, the book also does a credible job of providing

examples of tuning using Enterprise Manager. It clearly lays out which chapters that will be especially relevant for DBAs, developers, or both, and at what level of expertise (from beginner to advanced). Exadata users will find a chapter devoted to this topic including the unique features available on that platform. This is a must have book for DBAs that want a single resource to go to when faced with a performance issue.

14 of 15 people found the following review helpful.

Essential Tools for any Oracle Professional

By Ken N

This book is an essential tool that should be in every Oracle Professional's bookcase. It has value as a reference to fix performance issues that are currently present or as a study guide to take a beginner/intermediate DBA and/or Developer to an expert. Rich Niemiec brings performance tuning down from a mystical art down to a science with each topic covered concisely and thoroughly with clear instructions on how to implement them. Readers of previous versions of this book have a section that documents how each chapter has been updated. My favorite chapter is the one on Exadata as it really brought it home for me. It is a great tuning reference for developers, also it is one very few books cover the rare V\$ views, X\$ tables including how to query them.

I highly recommend this book especially for everyone looking to get the most out of their hardware. Why pay for new hardware when you can dramatically improve the performance of your current one using the information contained in this book?

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