

*The* ♦ *METHOD R* *Guide to*

# **MASTERING ORACLE TRACE DATA**

*Third Edition*

Cary Millsap  
with Jeff Holt

The definitive guide to accurate, high-precision measurement of user performance experiences, for Oracle application developers and DBAs.

# The Method R Guide To Mastering Oracle Trace Data

**Cary V. Millsap**



## **The Method R Guide To Mastering Oracle Trace Data:**

The Method R Guide to Mastering Oracle Trace Data, Second Edition Cary V. Millsap, 2016-05-20 There are many options these days for measuring and monitoring Oracle r Database application performance This book is about the one that endures as the best foundation there is for understanding Oracle performance the Oracle extended SQL trace feature This book is the course book for the 1 day Mastering Oracle Trace Data course taught by the author Cary Millsap It is not a book about discarding your Oracle fixed views or your monitoring tools that poll them It is a book about how to look at Oracle performance another way a way that has worked extraordinarily well for many of us It s about new ways of thinking about performance using new tools for understanding aspects of your applications that you ve never understood before Contents include Part one A coherent framework for understanding all aspects of performance beginning with foundational definitions case studies illustrating the use of Oracle extended SQL trace data in the performance problem and repair context detailed descriptions of how to create and obtain extended SQL trace data in different languages and application contexts detailed explanations of how to understand the story that the trace data is trying to tell you detailed reference material about Oracle timing measurements and how to use them Part two Over 100 pages of worked examples case studies illustrating how to analyze and solve performance problems with Oracle based applications using the Method R Profiler Method R Tools and Method R Trace commercial software packages Part three A perspective on why trace files are still important in this modern age of ASH and AWR and a list of explanations by dozens of Oracle professionals about why they use trace data today

*The Method R Guide to Mastering Oracle Trace Data* Cary Millsap, 2019-04-11 The definitive guide to accurate high precision measurement of user performance experiences for Oracle application developers and DBAs When you want to know where every microsecond of your Oracle based application s time has gone there s only one way to find out tracing This book is the definitive guide to mastering Oracle trace data The third edition Explains how to create Oracle trace files and understand the stories they tell you about your applications and the time they consume Prescribes a reliable method for optimizing Oracle based applications throughout all the phases of your software development life cycle Demonstrates through worked examples how Oracle application developers and database administrators can use Oracle trace data and Method R software to solve and prevent performance problems Contains more than 50 pages of new material including new worked examples updated information about production safe tracing state of the art techniques for measuring connection pooling applications and more The first time I used Method R and their software I made a 6 5 hour query run in less than 11 minutes In the years since I ve gotten a lot of results like that I ve made a 2 second label scan run in 0 2 seconds which saved a warehouse team three years worth of waiting per year I ve proven to a skeptical application vendor that it was the anti virus software not Oracle that was causing a performance problem And I ve saved an international airline over 250 000 on a hardware upgrade that was destined to disappoint them This book will show you how you can do things like these too Gu mundur J sepsson CEO

Miracle Iceland *The Method R Guide to Mastering Oracle Trace Data* Cary V. Millsap, 2013-07-26 There are many options these days for measuring and monitoring Oracle Database application performance This book is about the one that endures as the best foundation there is for understanding Oracle performance the Oracle extended SQL trace feature This book is the course book for the 1 day Mastering Oracle Trace Data course taught by the author Cary Millsap It is not a book about discarding your Oracle fixed views or your monitoring tools that poll them It is a book about how to look at Oracle performance another way a way that has worked extraordinarily well for many of us It s about new ways of thinking about performance using new tools for understanding aspects of your applications that you ve never understood before Contents include Chapter 1 Thinking Clearly about Performance over twenty brief sections that prescribe a coherent framework for understanding all aspects of performance beginning with foundational definitions Chapter 2 Making Friends with the Oracle Database a sequence of case studies illustrating the use of Oracle extended SQL trace data in the performance problem diagnosis and repair context Chapter 3 Oracle Extended SQL Trace a detailed explanation of where Oracle s trace data elements come from and how to assemble them into a trustworthy description of how applications consume time Chapter 4 Oracle Database Timed Event Reference an overview of what the Oracle timed events mean how to learn more than your documentation can tell you and how to respond to problems caused by excessive call counts or excessive call latencies Chapter 5 Cases in Oracle Trace Data Analysis seven case studies illustrating how to use the Method R Tools commercial software package not included with the book to analyze and solve problems with Oracle based application performance

*Troubleshooting Oracle Performance* Christian Antognini, 2014-06-14 Troubleshooting Oracle Performance 2nd Edition is your systematic guide to diagnosing and resolving performance problems in database backed applications involving Oracle s database engine Christian Antognini brings a decade and a half experience to his topic His first edition is one of the most well respected books in its field This second edition has been rigorously updated to cover the latest developments in Oracle Database 11g Release 2 through Oracle Database 12c What do you do when your database application isn t running fast enough You troubleshoot of course Finding the slow part of an application is often the easy part of the battle It s finding a solution that s difficult Troubleshooting Oracle Performance 2nd Edition helps by providing a systematic approach to addressing the underlying causes of poor database application performance The author freely shares his experience while explaining the underlying foundations of how SQL statements are executed by the Oracle database engine You ll be able to draw a solid foundation of theory and shared experience as you face head on the performance challenges in your daily work Written for developers by an application developer who has learned by doing Gives a systematic approach to solving database application performance problems Helps you plan for performance as you would for any other application requirement

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explains in a clear and thoughtful voice why systems perform the way they do It s for anybody who s curious about how computer programs and other processes use their time and about what you can do to improve them Through a mix of personal vignettes and technical use cases Cary Millsap reviews the process of improving performance and provides best practices for optimizing systems efficiently You ll learn how to identify the information needed to improve a system how to find the root causes of performance issues and how to fix them You ll also learn how performance optimization is both a skill set and a mindset and how to develop both over time If you re a computer professional whose success relies on software that goes fast by the end of this book you ll be able to identify view scope analyze and remedy performance issues with consistency and confidence

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**Mastering Oracle R** Daniel J. Cronin, 1988

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[Mastering Predictive Analytics with R - Second Edition](#) James D. Miller, Rui Miguel Forte, 2017-08-18 Master the craft of predictive modeling in R by developing strategy intuition and a solid foundation in essential concepts About This Book Grasping the major methods of predictive modeling and moving beyond black box thinking to a deeper level of understanding Leveraging the flexibility and

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*Mastering Oracle SQL [electronic Resource]* Sanjay Mishra, 2000

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