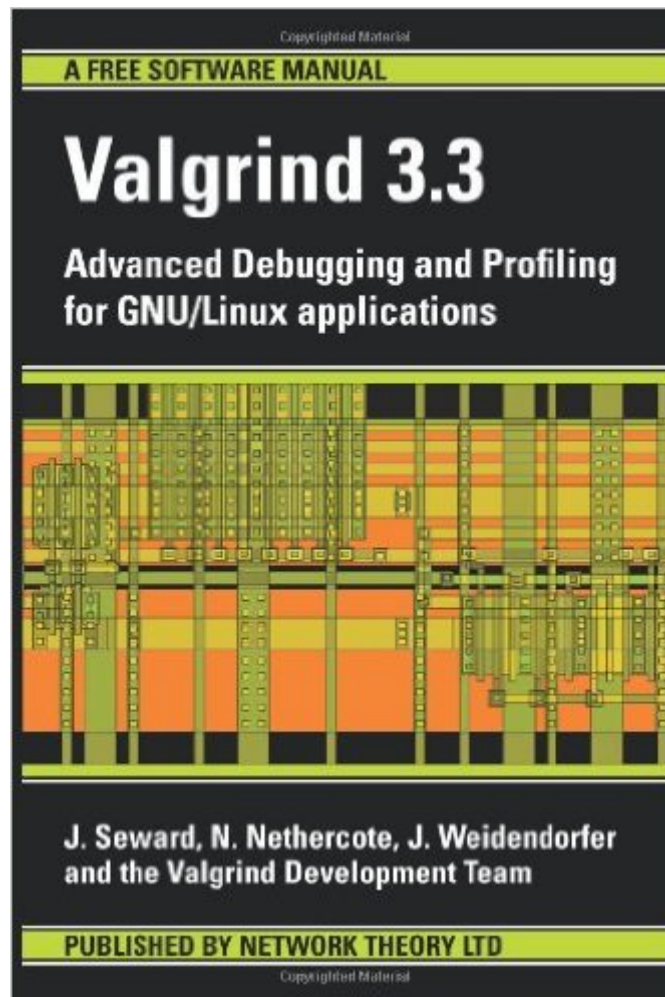


The book was found

# Valgrind 3.3 - Advanced Debugging And Profiling For Gnu/Linux Applications



## Synopsis

This manual describes how to use Valgrind, an award-winning suite of tools for debugging and profiling GNU/Linux programs. Valgrind detects memory and threading bugs automatically, avoiding hours of frustrating bug-hunting and making your programs more stable. You can also perform detailed profiling, to speed up your programs and reduce their memory usage. The Valgrind distribution provides five tools for debugging and profiling: Memcheck (a memory error detector), Cachegrind (a cache profiler), Callgrind (a call-graph profiler), Massif (a heap profiler) and Helgrind (a thread error detector). These tools and their options are described in detail, with practical examples and advice. Valgrind is free software, available under the GNU General Public License. It runs on X86/Linux, AMD64/Linux, PPC32/Linux and PPC64/Linux systems. This is a printed edition of the official reference documentation for Valgrind 3.3.0. For each copy sold 1 USD will be donated to the Valgrind developers by Network Theory Ltd.

## Book Information

Paperback: 164 pages

Publisher: Network Theory Ltd. (March 1, 2008)

Language: English

ISBN-10: 0954612051

ISBN-13: 978-0954612054

Product Dimensions: 6 x 0.4 x 9 inches

Shipping Weight: 6.4 ounces (View shipping rates and policies)

Average Customer Review: 3.8 out of 5 starsÂ Â See all reviewsÂ (5 customer reviews)

Best Sellers Rank: #212,256 in Books (See Top 100 in Books) #1 inÂ Books > Computers & Technology > Operating Systems > Linux > Applications #10 inÂ Books > Computers & Technology > Programming > Languages & Tools > Debugging #55 inÂ Books > Computers & Technology > Operating Systems > Linux > Programming

## Customer Reviews

Ordinarily I wince at the notion of a book dedicated to an open source tool. Usually online resources are abundant and a book only summarizes the information that is already freely available. My thoughts are different for the Valgrind Development Team's manual for Valgrind 3.3. Admittedly, this is a very advanced tool for developers. Having used it myself I find the tool and the authors' in-depth explanation to the nuances and pitfalls of such advanced debugging invaluable. The audience may be small for such a publication but if you do any development on Linux (and now Mac OS X and

\*BSD) then Valgrind should be part of your development and testing plan.

This book is a nice little reference to Valgrind. It covers pretty much the common stuff you'll use Valgrind for. It is the first book I've ever bought that is licensed under the GNU Free Documentation License. The book is also available online, but since it's a pretty inexpensive book, I like having a dead tree version. Plus, I'm sure my money is going to some good cause.

Tedious. That is the word I find best describe Valgrind 3.3. Either that, or I was unusually tired when I read this book. That said I haven't found any other book on the subject that gives you a good introduction to Valgrind. So by all means buy it. But I would also recommend you to buy "The Art of Debugging with gdb, ddd and eclipse" from No Starch Press.

Great book!

I thought that book will have some more information about the code in Valgrind-core. So, any developer can use it as a developer guide. Actually, the book is like user-guide that list the tools in valgrind and how to invoke them through command line.

[Download to continue reading...](#)

Valgrind 3.3 - Advanced Debugging and Profiling for Gnu/Linux Applications Linux: Linux Command Line - A Complete Introduction To The Linux Operating System And Command Line (With Pics) (Unix, Linux kernel, Linux command line, ... CSS, C++, Java, PHP, Excel, code) (Volume 1) LINUX: Easy Linux For Beginners, Your Step-By-Step Guide To Learning The Linux Operating System And Command Line (Linux Series) Debugging with GDB: The GNU Source-Level Debugger By M. Tim Jones - GNU/Linux Application Programming: 1st (first) Edition GuÃfÃ- a de clase de: Sistemas InformÃfÃticos Monousuario y Multiusuario. Volumen I: GNU/Linux. (Spanish Edition) GNU/Linux Application Programming (Charles River Media Programming) Linux Administration: The Linux Operating System and Command Line Guide for Linux Administrators CompTIA Linux+ Powered by Linux Professional Institute Study Guide: Exam LX0-103 and Exam LX0-104 (Comptia Linux + Study Guide) Linux For Beginners: The Ultimate Guide To The Linux Operating System & Linux Embedded Linux Porting on ARM & RFID Implementation Using ARM SoC: Developing a flexible and agile Board Secure Package Linux with multiple applications Debugging Applications for Microsoft .NET and Microsoft Windows (2nd Edition) (Developer Reference) Debugging Applications (DV-MPS Programming) Racial Profiling and Discrimination: Your Legal Rights (Know

Your Rights) Beer Tasting & Food Pairing: The Ultimate Guidebook: Become An Expert In Beer Tasting, Food Pairing & Flavor Profiling (Beer, Beer Brewing, Beer Bible, Beer Making) Genetic Testimony: A Guide to Forensic DNA Profiling (Booklet) Criminal Psychology & Personality Profiling (Solving Crimes With Science: Forensics) Prophecy 20/20: Profiling the Future Through the Lens of Scripture Turbo C: The Art of Advanced Program Design, Optimization, and Debugging Advanced Software Testing - Vol. 3, 2nd Edition: Guide to the ISTQB Advanced Certification as an Advanced Technical Test Analyst

[Dmca](#)