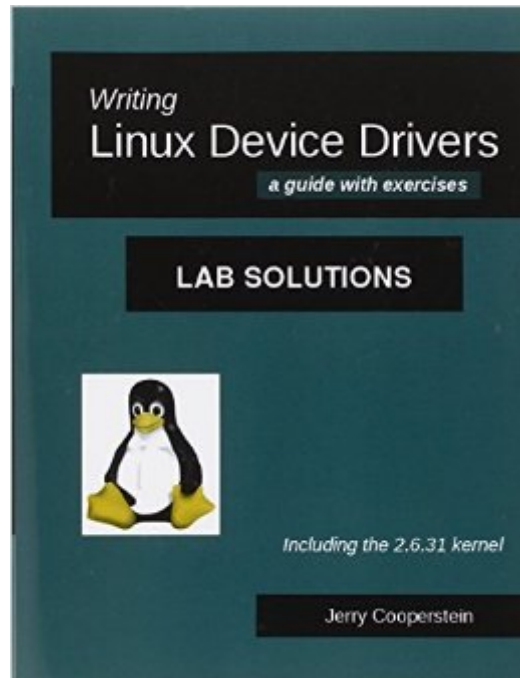# Writing Linux Device Drivers: Lab Solutions: A Guide With Exercises

# Synopsis

This is a companion volume to Writing Linux Device Drivers, a guide with exercises, by Jerry Cooperstein, pub. 2009. While the solutions to the exercises in that volume can be obtained from http://www.coopj.com/LDD, requests for printed copies of the solutions have been encountered. There is no exposition here, only the statement of the exercises and then the actual code and necessary scripts. Writing Linux Device Drivers is designed to show experienced programmers how to develop device drivers for Linux systems, and give them a basic understanding and familiarity with the Linux kernel. The purpose is to get you into coding as quickly as possible. Each section has exercises, most of which involve writing code, designed to help you gain familiarity with programming for the Linux kernel.

# Book Information

Paperback: 270 pages

Publisher: CreateSpace Independent Publishing Platform; First Edition edition (October 6, 2009)

Language: English

ISBN-10: 1449531245

ISBN-13: 978-1449531249

Product Dimensions:  7.4 x 0.6 x 9.7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review:  3.0 out of 5 stars  See all reviews (2 customer reviews)

Best Sellers Rank: #1,783,770 in Books (See Top 100 in Books)   #31 in Books > Computers & Technology > Programming > APIs & Operating Environments > Device Drivers   #336 in Books > Computers & Technology > Operating Systems > Linux > Programming   #4790 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development

# Customer Reviews

Dr. Cooperstein,I just wanted to thank you for your excellent book (and lab solutions manual/code) "Writing Linux Device Drivers." I'm in the process of writing multiple kernel modules as part of my thesis, and I've been having a pretty rough time trying to use existing examples or other research given the significant changes in kernel code. Most of the other books I've found either skirt around the issues that seem clearly presented in your book...or they explain them only as clearly as the source code itself.Other books that do explain things well often present code that will not work with current linux kernels, and it is very tough for someone trying to learn the concepts to adapt obsolete

source code...if I knew how to update the code, I wouldn't need to book in the first place. I think I can say this confidently, as I own just about every book about the linux kernel or linux kernel drivers from O'Reilly, Wrox, Novell, Prentice Hall, Addison Wesley, Osborne, and probably a couple I can't think of right now.Your book is not only well written (and timely for me), but both its content and sample code are directly usable in current linux kernels (version 2.6.30 in my own personal experience). I greatly appreciate the simple fact that all the driver code compiles cleanly; that is truly a unique feature at this time...and one that means a lot to someone trying to figure it out. If the online source code continues to be kept to-date with current kernels, your books will be an enduring asset!Thank you for publishing your books.

This lab solution manual (green book) is really a repetition of the wording of the exercises (which are given in Writing Linux Device Drivers - red book) + code for the solutions. The code can already be dowloaded for free off the author's web site. This manual doesn't add any additional comment/explanation to the solution code itself. This would at least have justified purchasing this solution manual.

Writing Linux Device Drivers: Lab Solutions: a guide with exercises Writing Linux Device Drivers: a guide with exercises Linux: Linux Command Line - A Complete Introduction To The Linux Operating System And Command Line (With Pics) (Unix, Linux kemel, Linux command line, ... CSS, C++, Java, PHP, Excel, code) (Volume 1) Linux Device Drivers, 3rd Edition Linux Device Drivers, 2nd Edition Practical Linux Programming: Device Drivers, Embedded systems, and the Internet (with CD- ROM) (Programming Series) Writing OpenVMS Alpha Device Drivers in C: Developer's Guide and Reference Manual Writing Windows Device Drivers Writing Device Drivers Writing Device Drivers: Tutorial and Reference Writing Windows Device Drivers Course Notes... Writing DOS Device Drivers in C Writing Os/2 Device Drivers Writing Device Drivers for Sco Unix: A Practical Approach LINUX: Easy Linux For Beginners, Your Step-By-Step Guide To Learning The Linux Operating System And Command Line (Linux Series) Drawing Comics Lab: 52 Exercises on Characters, Panels, Storytelling, Publishing & Professional Practices (Lab Series) Creative Photography Lab: 52 Fun Exercises for Developing Self-Expression with your Camera. Includes 6 Mixed-Media Projects (Lab Series) Drawing Lab for Mixed-Media Artists: 52 Creative Exercises to Make Drawing Fun (Lab Series) Paint Lab: 52 Exercises inspired by Artists, Materials, Time, Place, and Method (Lab Series) Color Lab for Mixed-Media Artists: 52 Exercises for Exploring Color Concepts through Paint, Collage, Paper, and More (Lab Series)