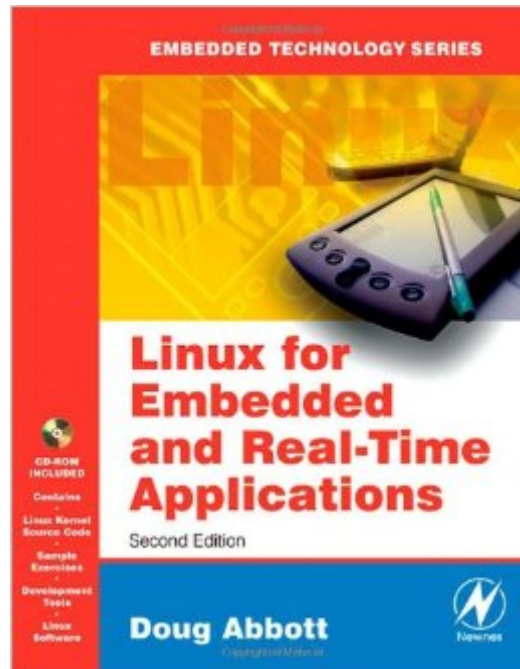# Linux For Embedded And Real-time Applications, Second Edition (Embedded Technology)

Synopsis

The open source nature of Linux has always intrigued embedded engineers, and the latest kernel releases have provided new features enabling more robust functionality for embedded applications. Enhanced real-time performance, easier porting to new architectures, support for microcontrollers and an improved I/O system give embedded engineers even more reasons to love Linux! However, the rapid evolution of the Linux world can result in an eternal search for new information sources that will help embedded programmers to keep up!This completely updated second edition of noted author Doug Abbottâ ™s respected introduction to embedded Linux brings readers up-to-speed on all the latest developments. This practical, hands-on guide covers the many issues of special concern to Linux users in the embedded space, taking into account their specific needs and constraints. Youâ ™ll find updated information on:â ¢ The GNU toolchainâ ¢ Configuring and building the kernelâ ¢ BlueCat Linuxâ ¢ Debugging on the targetâ ¢ Kernel Modulesâ ¢ Devices Driversâ ¢ Embedded Networkingâ ¢ Real-time programming tips and techniquesâ ¢ The RTAI environmentâ ¢ And much moreThe accompanying CD-ROM contains all the source code from the bookâ ™s examples, helpful software and other resources to help you get up to speed quickly. This is still the reference youâ ™ll reach for again and again! * 100+ pages of new material adds depth and breadth to the 2003 embedded bestseller. * Covers new Linux kernel 2.6 and the recent major OS release, Fedora. * Gives the engineer a guide to working with popular and cost-efficient open-source code.

Book Information

Series: Embedded Technology

Paperback: 352 pages

Publisher: Newnes; 2 edition (April 17, 2006)

Language: English

ISBN-10: 0750679328

ISBN-13: 978-0750679329

Product Dimensions: 9.2 x 7.9 x 0.8 inches

Shipping Weight: 1.6 pounds

Average Customer Review: 2.7 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

Best Sellers Rank: #3,813,378 in Books (See Top 100 in Books)   #53 inÂ Books > Computers & Technology > Operating Systems > Linux > Applications   #418 inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Embedded Systems   #477

Customer Reviews

It's a very good introductory book. It has a good organization of topics and brings a lot of references for further reading. There are few things I dislike and hope that may be fixed in future editions. There are examples that don't work at first because some includes are missing such as the parport.c example that I had to add a #include. Some other examples depend on tasks that might be difficult to achieve like running a kernel 2.6 on Red Hat 9.0 (I had to read a lot of forums to execute this task properly). The price is high for a book that has less than 400 pages.

I can not say that it's the best book I have ever read but I think it's simple to read.A lot of pictures make the steps easy to follow, the CD is also helpful. Furthermore, the develop is done on an old PC.This make the starting point easy and cheap but at the same time make also the limitation of the book.Some important topics are not discussed due to the development board.As first reading, I can recommend it but you need a second reading.As second reading I would recommend "Building Embedded Linux Systems"

The author uses old technology for a book published in 2006. He's too focused on his project and neglects to explain the over all picture. I didn't get much out of it.

Linux for Embedded and Real-time Applications, Second Edition (Embedded Technology) LINUX: Linux Command Line, Cover all essential Linux commands. A complete introduction to Linux Operating System, Linux Kernel, For Beginners, Learn Linux in easy steps, Fast! A Beginner's Guide Linux for Embedded and Real-time Applications, Third Edition (Embedded Technology) Linux for Embedded and Real-time Applications (Embedded Technology) Linux: Linux Guide for Beginners: Command Line, System and Operation (Linux Guide, Linux System, Beginners Operation Guide, Learn Linux Step-by-Step) Real-Time UML Workshop for Embedded Systems, Second Edition (Embedded Technology) Real Time Systems and Programming Languages: Ada 95, Real-Time Java and Real-Time C/POSIX (3rd Edition) Linux: Linux Mastery. The Ultimate Linux Operating System and Command Line Mastery (Operating System, Linux) DSP Software Development Techniques for Embedded and Real-Time Systems (Embedded Technology) Real Estate: Learn to Succeed the First Time: Real Estate Basics, Home Buying, Real Estate Investment

& House Flipping (Real Estate income, investing, Rental Property) Memory Controllers for Real-Time Embedded Systems: Predictable and Composable Real-Time Systems: 2 Real-time Operating Systems (The engineering of real-time embedded systems Book 1) Real-Time Embedded Components and Systems with Linux and RTOS (Engineering) Real-Time Embedded Components And Systems: With Linux and RTOS TCP/IP Embedded Internet Applications (Embedded Technology) Analog Interfacing to Embedded Microprocessor Systems, Second Edition (Embedded Technology Series) Embedded Linux Primer: A Practical Real-World Approach (2nd Edition) Exploring Raspberry Pi: Interfacing to the Real World with Embedded Linux Embedded Linux Primer: A Practical Real-World Approach (Prentice Hall Open Source Software Development Series) Embedded Systems Architecture: A Comprehensive Guide for Engineers and Programmers (Embedded Technology)