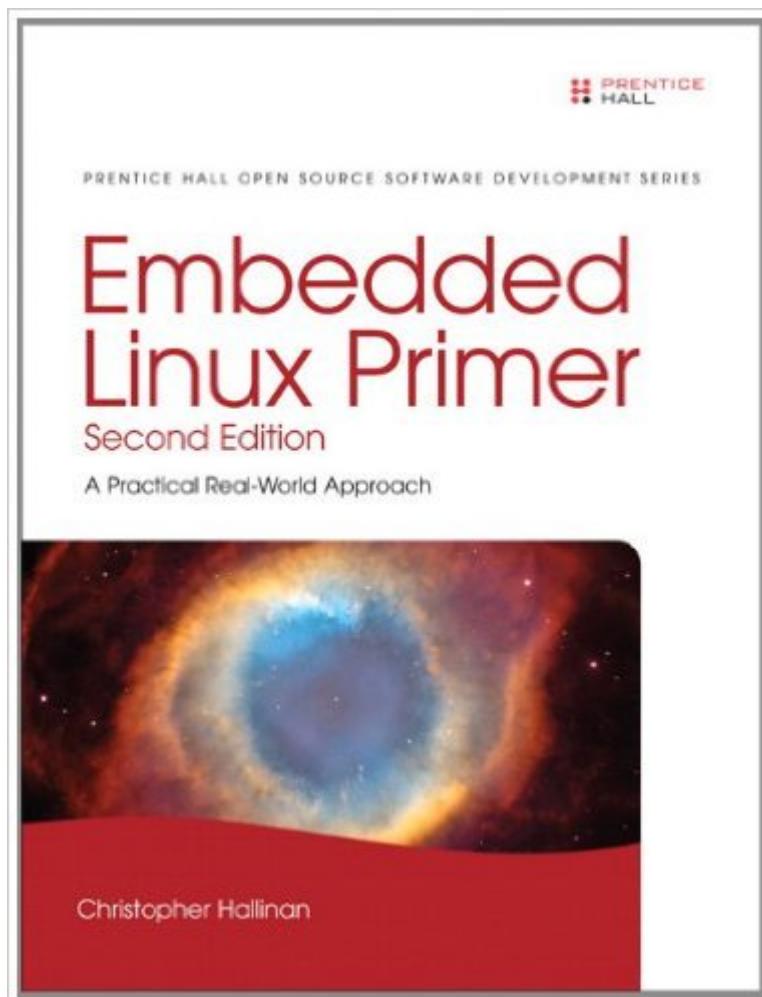


The book was found

Embedded Linux Primer: A Practical Real-World Approach (Prentice Hall Open Source Software Development Series)



Synopsis

Up-to-the-Minute, Complete Guidance for Developing Embedded Solutions with Linux Â Linux has emerged as todayâ™s #1 operating system for embedded products. Christopher Hallinanâ™s Embedded Linux Primer has proven itself as the definitive real-world guide to building efficient, high-value, embedded systems with Linux. Now, Hallinan has thoroughly updated this highly praised book for the newest Linux kernels, capabilities, tools, and hardware support, including advanced multicore processors. Â Drawing on more than a decade of embedded Linux experience, Hallinan helps you rapidly climb the learning curve, whether youâ™re moving from legacy environments or youâ™re new to embedded programming. Hallinan addresses todayâ™s most important development challenges and demonstrates how to solve the problems youâ™re most likely to encounter. Â Youâ™ll learn how to build a modern, efficient embedded Linux development environment, and then utilize it as productively as possible. Hallinan offers up-to-date guidance on everything from kernel configuration and initialization to bootloaders, device drivers to file systems, and BusyBox utilities to real-time configuration and system analysis. This edition adds entirely new chapters on UDEV, USB, and open source build systems. Tour the typical embedded system and development environment and understand its concepts and components. Understand the Linux kernel and userspace initialization processes. Preview bootloaders, with specific emphasis on U-Boot. Configure the Memory Technology Devices (MTD) subsystem to interface with flash (and other) memory devices. Make the most of BusyBox and latest open source development tools. Learn from expanded and updated coverage of kernel debugging. Build and analyze real-time systems with Linux. Learn to configure device files and driver loading with UDEV. Walk through detailed coverage of the USB subsystem. Introduces the latest open source embedded Linux build systems. Reference appendices include U-Boot and BusyBox commands.

Book Information

File Size: 11309 KB

Print Length: 656 pages

Simultaneous Device Usage: Up to 5 simultaneous devices, per publisher limits

Publisher: Prentice Hall; 2 edition (October 26, 2010)

Publication Date: October 26, 2010

Sold by:Â Digital Services LLC

Language: English

ASIN: B004AE3IA6

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #583,317 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #103

in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Embedded Systems #222 in Books > Computers & Technology > Operating Systems > Linux > Programming #551 in Kindle Store > Kindle eBooks > Computers & Technology > Operating Systems

Customer Reviews

About Me To begin with I have had minimal experience with embedded linux systems, but I have had experience in legacy C and C++, as well as Linux system administration. Overview The author is a very efficient writer and explains concepts in a very easy to understand, concise way. If you have had experience with C programming and basic Linux system administration you will understand the examples he presents and walks through. The author provides excellent examples in the form of diagrams and Linux command line screenshots that help to reinforce what is being explained.

Furthermore, the author provides EXCELLENT resources at the end of each chapter to steer the reader towards more "in-depth" texts. These resources are incredibly useful as they serve to help keep the book up-to-date. In Response to Other Reviews- The author does provide links to community based embedded Linux systems in Chapter 2. and recommends the system he is running, for the examples seen throughout the book.- I agree that it would be nice to see more links and references to more community projects but it should in no way affect the potential buyer (the author provides plenty of examples, but take into account that the book is a static entry, he can't continuously update it to keep current with technology). For the Potential Buyer- This is a primer, do not expect a "cookbook" format, as that is not the intent of the author. The primer approach is meant to educate you on the big picture and prepare you to go into more depth. If you purchase this book with this in mind you will absolutely not be disappointed.- The author speaks clearly and simply to educate on the issues that are pertinent to embedded systems.

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

Embedded Linux Primer: A Practical Real-World Approach (Prentice Hall Open Source Software Development Series) Embedded Linux Systems with the Yocto Project (Prentice Hall Open Source

Software Development) Essential Linux Device Drivers (Prentice Hall Open Source Software Development Series) 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 Pro OpenSolaris: A New Open Source OS for Linux Developers and Administrators (Expert's Voice in Open Source) Fundamentals of Network Analysis and Synthesis (Prentice-Hall electrical engineering series. Solid state physical electronics series. Prentice-Hall networks series) Embedded Linux Primer: A Practical Real-World Approach (2nd Edition) Prentice hall literature (common core edition) (teachers edition grade 6) (Prentice Hall and Texas Instruments Digital Signal Processing Series) Linux: Linux Guide for Beginners: Command Line, System and Operation (Linux Guide, Linux System, Beginners Operation Guide, Learn Linux Step-by-Step) DSP Software Development Techniques for Embedded and Real-Time Systems (Embedded Technology) Nessus Network Auditing: Jay Beale Open Source Security Series (Jay Beale's Open Source Security) Make: Arduino Bots and Gadgets: Six Embedded Projects with Open Source Hardware and Software (Learning by Discovery) Linux for Embedded and Real-time Applications, Third Edition (Embedded Technology) Linux for Embedded and Real-time Applications (Embedded Technology) Linux for Embedded and Real-time Applications, Second Edition (Embedded Technology) Linux: Linux Mastery. The Ultimate Linux Operating System and Command Line Mastery (Operating System, Linux) Compiler Design in C (Prentice-Hall software series) Embedded Systems Security: Practical Methods for Safe and Secure Software and Systems Development Design Patterns for Embedded Systems in C: An Embedded Software Engineering Toolkit Using Open Source Web Software with Windows (Charles River Media Internet)

[Dmca](#)