Mastering Embedded Linux Programming (Paperback)

By Chris Simmonds

Packt Publishing Limited, United Kingdom, 2015. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Harness the power of Linux to create versatile and robust embedded solutions About This Book * Create efficient and secure embedded devices using Linux * Minimize project costs by using open source tools and programs * Explore each component technology in depth, using sample implementations as a guide Who This Book Is For This book is ideal for Linux developers and system programmers who are already familiar with embedded systems and who want to know how to create best-in-class devices. A basic understanding of C programming and experience with systems programming is needed. What You Will Learn * Understand the role of the Linux kernel and select an appropriate role for your application * Use Buildroot and Yocto to create embedded Linux systems quickly and efficiently * Create customized bootloaders using U-Boot * Employ perf and ftrace to identify performance bottlenecks * Understand device trees and make changes to accommodate new hardware on your device * Write applications that interact with Linux device drivers * Design and write multi-threaded applications using POSIX threads * Measure real-time latencies and tune the Linux...

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Reviews

Absolutely essential go through publication. It is filled with knowledge and wisdom Once you begin to read the book, it is extremely difficult to leave it before concluding.
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