

Robert Love

Third Edition



Linux Kernel Development

A thorough guide to the design and
implementation of the Linux kernel

Developer's Library



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Mastering Modern Linux Paul S. Wang, 2018-06-14 Praise for the First Edition This outstanding book gives the reader robust concepts and implementable knowledge of this environment Graphical user interface GUI based

users and developers do not get short shrift despite the command line interface s CLI full power treatment Every programmer should read the introduction s Unix Linux philosophy section This authoritative and exceptionally well constructed book has my highest recommendation It will repay careful and recursive study Computing Reviews August 2011 Mastering Modern Linux Second Edition retains much of the good material from the previous edition with extensive updates and new topics added The book provides a comprehensive and up to date guide to Linux concepts usage and programming The text helps the reader master Linux with a well selected set of topics and encourages hands on practice The first part of the textbook covers interactive use of Linux via the Graphical User Interface GUI and the Command Line Interface CLI including comprehensive treatment of the Gnome desktop and the Bash Shell Using different apps commands and filters building pipelines and matching patterns with regular expressions are major focuses Next comes Bash scripting file system structure organization and usage The following chapters present networking the Internet and the Web data encryption basic system admin as well as Web hosting The Linux Apache MySQL MariaDB PHP LAMP Web hosting combination is also presented in depth In the last part of the book attention is turned to C level programming Topics covered include the C compiler preprocessor debugger I O file manipulation process control inter process communication and networking The book includes many examples and complete programs ready to download and run A summary and exercises of varying degrees of difficulty can be found at the end of each chapter A companion website <http://mml.sofpower.com> provides appendices information updates an example code package and other resources for instructors as well as students

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Embedded Linux Primer Christopher Hallinan,2010-10-26 Up to the Minute Complete Guidance for Developing Embedded Solutions with Linux Linux has emerged as today s 1 operating system for embedded products Christopher Hallinan 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 Drawing on more than a decade of embedded Linux experience Hallinan helps you rapidly climb the learning curve whether you re moving from legacy environments or you re new to embedded programming Hallinan addresses today s most important development challenges and demonstrates how to solve the problems you re most likely to encounter You 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

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American Book Publishing Record ,2003

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Linux System Programming Robert Love,2013-05-14 Write software that draws directly on services offered by the Linux kernel and core system libraries With this comprehensive book Linux kernel contributor Robert Love provides you with a tutorial on Linux system programming a reference manual on Linux system calls and an insider s guide to writing smarter faster code Love clearly distinguishes between POSIX standard functions and special services offered only by Linux With a new chapter on multithreading this updated and expanded edition provides an in depth look at Linux from both a theoretical and applied perspective over a wide range of programming topics including A Linux kernel C library and C compiler overview Basic I O operations such as reading from and writing to files Advanced I O interfaces memory mappings and optimization techniques The family of system calls for basic process management Advanced process management including real time processes Thread concepts multithreaded programming and Pthreads File and directory management Interfaces for allocating memory and optimizing memory access Basic and advanced signal interfaces and their role on the system Clock management including POSIX clocks and high resolution timers

2007 International Conference on Parallel Processing IEEE Staff,2007

The British National Bibliography Arthur James Wells,2009

Forthcoming Books Rose Army,2003

Library Journal ,2005

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Linux Kernel Development, Second Edition Robert Love,2005 The Linux kernel is one of the most important and far reaching open source projects That is why Novell Press is excited to bring you the second edition of Linux Kernel

Development Robert Love's widely acclaimed insider's look at the Linux kernel This authoritative practical guide helps developers better understand the Linux kernel through updated coverage of all the major subsystems as well as new features associated with the Linux 2.6 kernel You'll be able to take an in-depth look at Linux kernel from both a theoretical and an applied perspective as you cover a wide range of topics including algorithms system call interface paging strategies and kernel synchronization Get the top information right from the source in **Linux Kernel Development** **Linux System Programming, 2nd Edition** Robert Love, 2013 **Visual Basic 2005** Harvey M. Deitel, Paul J. Deitel, 2006 With Visual Basic .NET Microsoft transforms Visual Basic into a supercharged tool for developing next-generation Web services and Windows applications Now learn Visual Basic .NET hands-on through thousands of lines of live code in hundreds of complete working programs explained with exceptional clarity by the renowned programming trainers of Deitel then covers all key VB .NET programming fundamentals from control structures to methods arrays and object-oriented programming It delivers in-depth coverage of VB .NET GUI development multithreading graphics and multimedia XML programming database development with SQL and ADO .NET building Web Forms and Web Services with ASP .NET network programming data structures accessibility and more The book contains hundreds of real-world tips and techniques for writing high-quality code improving performance and reliability and efficient debugging An accompanying CD-ROM contains all of the book's source code up-to-date Visual Studio 2005 development tools plus links to the Web's best Visual Basic .NET demos and resources For all beginning programmers and developers experienced with traditional languages who want to master Visual Basic .NET quickly *Joyce in the Belly of the Big Truck; Workbook* Joyce A. Cascio, 2005-05 Books in Print, 1991

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