
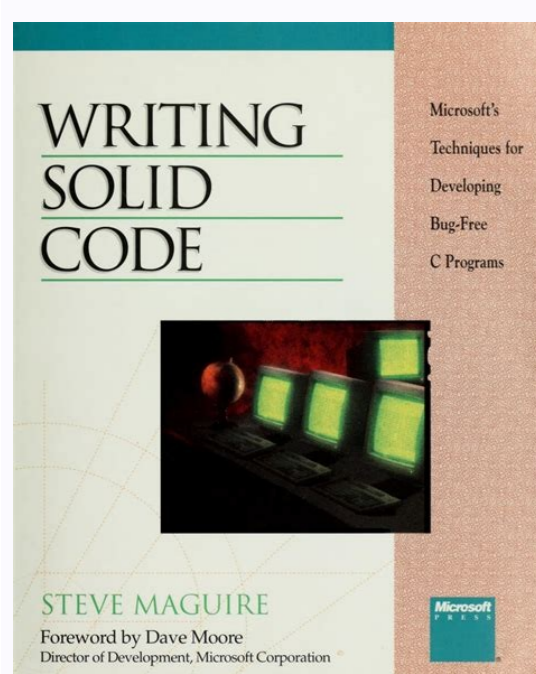
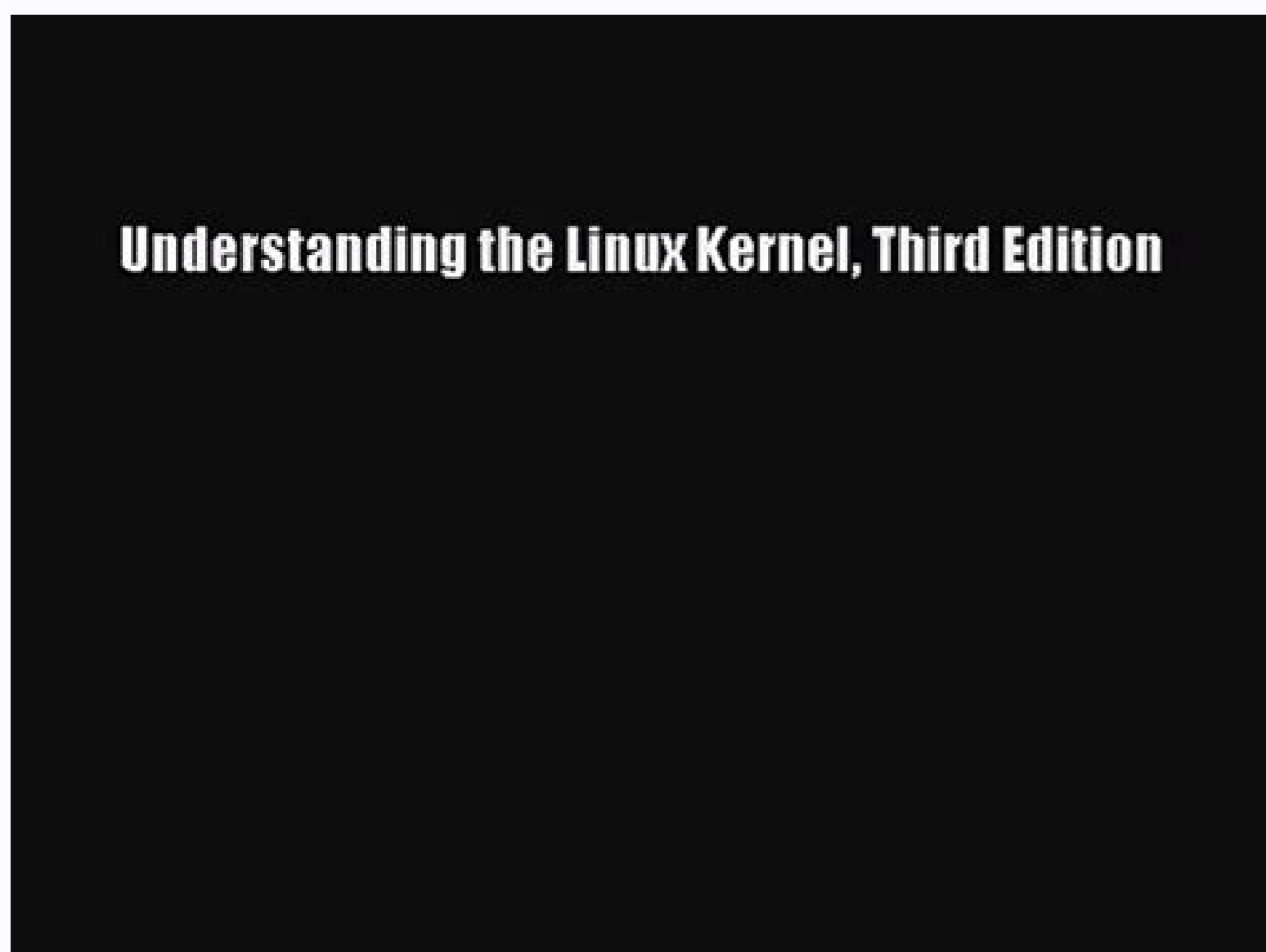
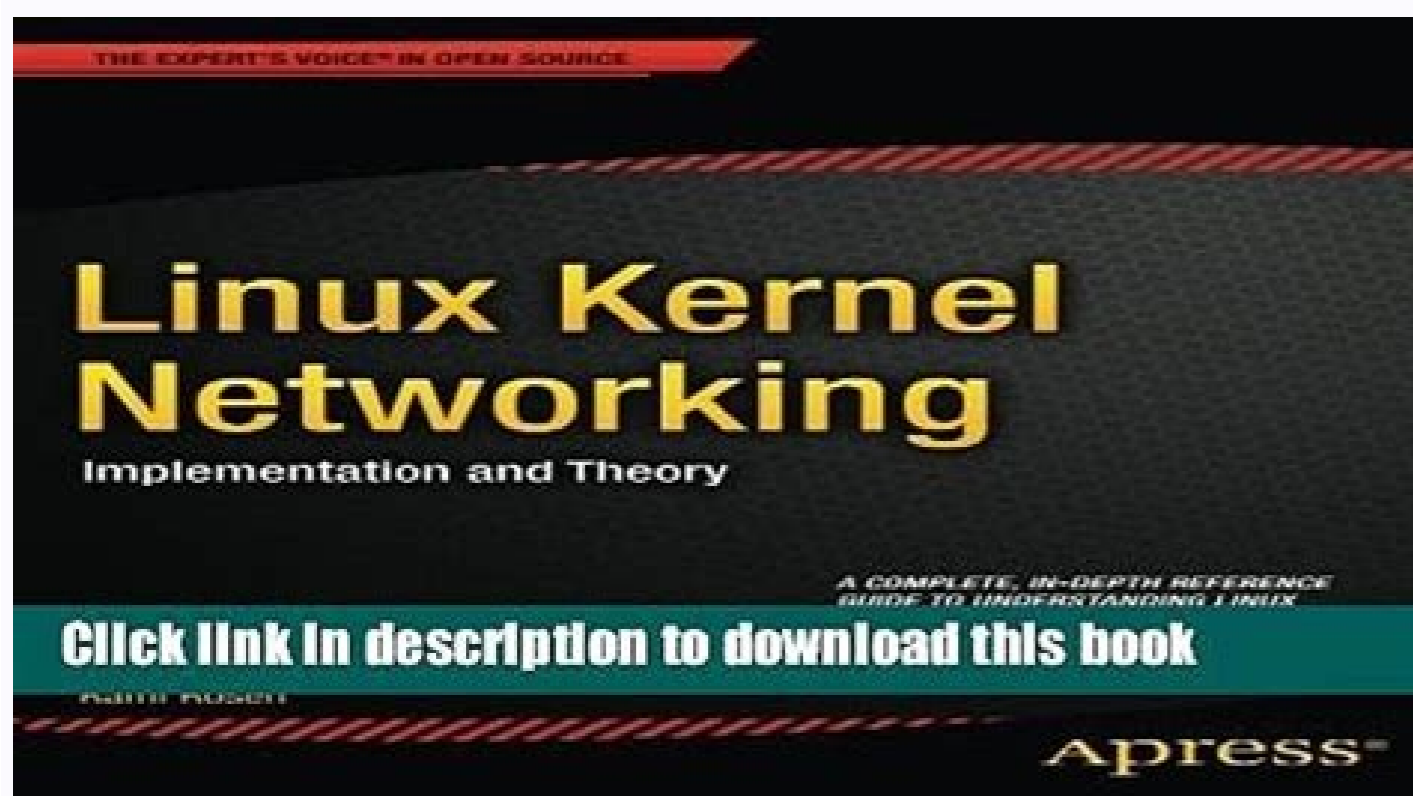
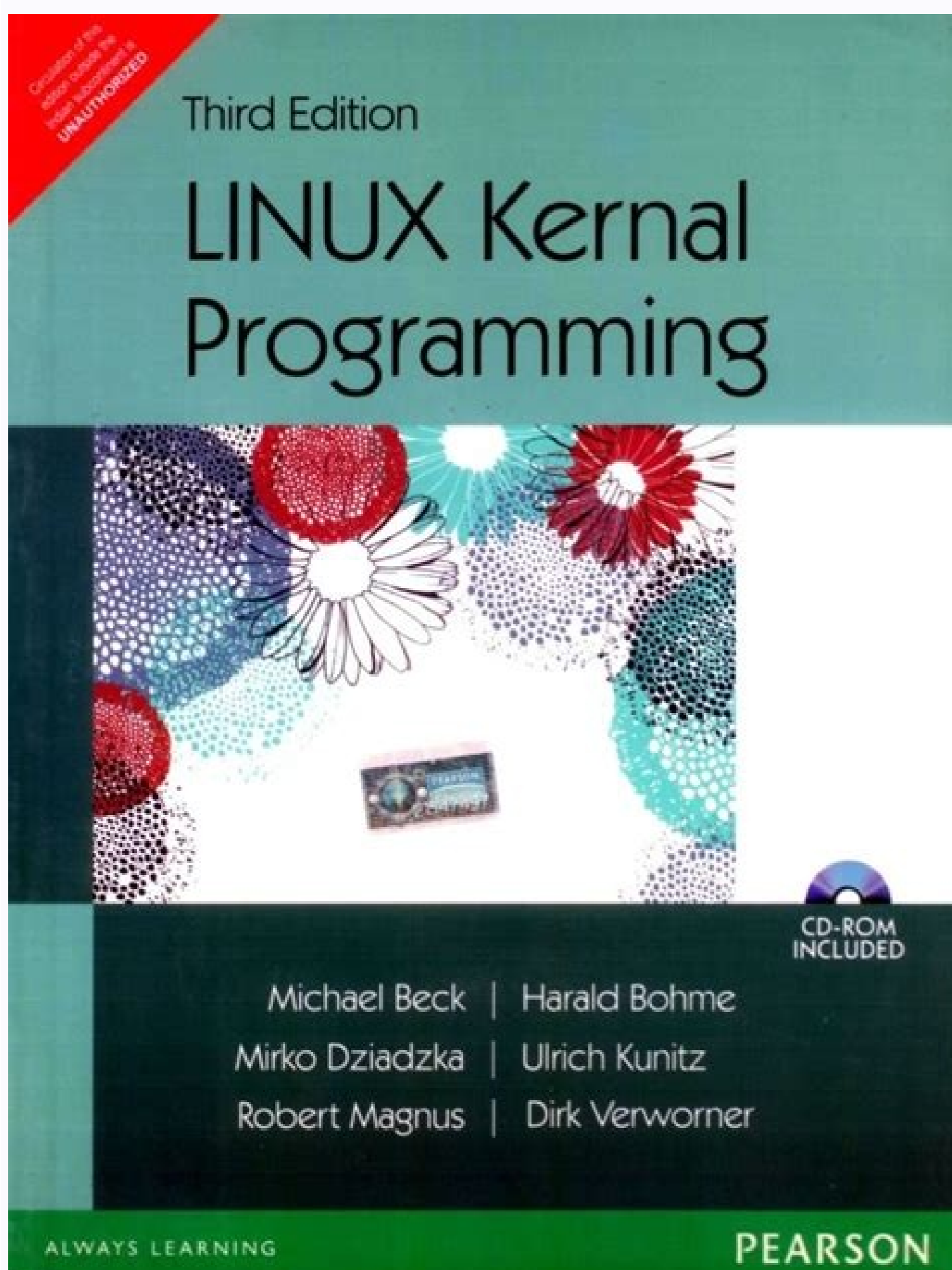
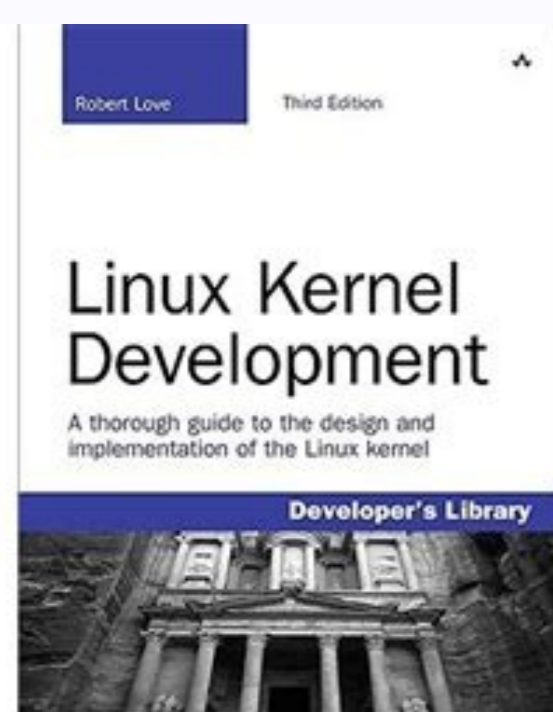


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What is linux kernel written in. What is linux kernel version. What is linux kernel used for.

From my own investigation ther I really loved Love's Linux Kernel Development (LKD) book (I have read it couple of times) and I read this book in delirium immediately after I gobbled up the LKD book. ...more Nov 23, 2016 Paul rated it liked it - review of another edition Странная книжка: подробно разжбываються очень очевидные вещи вроде известных по K&R вызовов, которые есть в стандарте, в то время как более специфические моменты рассказаны вскользь. Перевод корявый. I've also realized what extra tricks are available even to a regular application that wants to ask the Linux kernel to optimize for its own behaviour when dealing with large amounts of memory or lots of I/O. After the excellent introduction, it b This book was a great chance for me to become more familiar with a lower level of Linux programming, which I usually manage to avoid unless absolutely necessary. It is a really good book if you hacked your way through Linux and you feel you would be more efficient if you knew how things actually work under the hood. It provides a good illustration of the Linux everything is a file philosophy by describing the consequences of various system calls on different kind of files (e.g. regular files or devices won't behave similarly) Even with this 429 pages, it is a really quick book to read. Examples are also provided. I have to I think this is one of the best books, if not the best, about systems programming in Linux (FWIW, I'm not aware of any other book in the same category). I think many of the individual functions and flags that weren't being discussed in-depth could have been left for the reader to dig through the man page. Other than that, I definitely recommend it. ...more "В наборе компиляторов GNU (GNU Compiler Connection, GCC)" Качество перевода, количество опечаток и отсутствие редактуры удручает. e.g. You often encounter memory leaks on your machine and don't know why? This book was no surprise. With nonfiction and technical writing it is always a pleasure to find what you were seeking and then to find some more, which you didn't even know you wanted to know. As an intermediate programmer who is interested in systems programming in the C language, I am utterly satisfied by this book. Highly readable, entirely useful. O'Reilly books tend to have a very high standard of clarity and general smartness and accuracy. I think the main reason is that when I started to read it I was mainly interested in learning about a few aspects of Linux (CPU affinity, sockets and signals), but somehow I kept reading the whole book until I completed it. I found the general explanations of each chapter interesting and I think those ones are a good read even if you're not interested in the programming specifics. It started well, became a bit boring to the end, but it's book about API after all, not exactly action-packed topic :) It does its job well. ...more Oct 15, 2016 lehalaha rated it really liked it It started well, became a bit boring to the end, but it's book about API after all, not exactly action-packed topic :) It does its job well. It was fascinating and invigorating to read such a wonderfully written book on such a complex system. I've gained a sense of the APIs used by system level software, such as daemons and services. Also, since the book is structured in chapters, it's not necessary to read the book from cover to cover. Thank you Robert, your books make my understanding of my beloved subject more intriguing and interesting. My understanding of the subject solidified by your books. The book introduces you to zombie processes how they spawn and what can be done about them. Showing 1-30 Start your review of Linux System Programming: Talking Directly to the Kernel and C Library Jan 20, 2019 Foxtrot rated it really liked it A good introduction to the low-level layers of Linux systems. This book was no surprise. With nonfiction and technical writing it is always a pleasure to find what you were seeking and then to find some more, which you didn't even know you wanted to know. As an intermediate programmer who is interested in systems programming in the C language, I am utterly satisfied by this book. ...more Sep 21, 2015 Bhaskar Chowdhury rated it it was amazing This book and the other title Linux Kernel Development shaped/wrap my mind around the process and to know the inner working of the system in more details. If you're interested, or need to learn, about the programming specifics, go ahead and read the whole chapter. Note that this is not a comprehensive approach to how Linux works. Примерно через год надо будет перечитать, т.к. There's no hand waving here. If you want to refresh or broaden your knowledge about a topic, read the introductory explanations. I've also realized what extra tricks are available even to a regular application that wants to ask the Linux kernel to optimize for its own behaviour when dealing with large amounts of memory or lots of I/O. After the excellent introduction, it becomes a bit like a reference manual, but it's worth reading from cover to cover. Parts of the book read a bit too much like man pages (I tended to mostly skip the paragraph long descriptions of each possible error that can be set by each new call - that'd be useful as a reference, but not on your initial read thr. A wonderful way to dive into systems programming and start getting a handle on the standard things the kernel does for you. By systems programming we understand programming that requires services provided by the Linux kernel, which usually are satisfied via system calls. In a way it is most helpful when u have a computer handy so u can type the example programs side by side while u read from the book (I didn't do it that way!). A kudo is not enough for you, but you deserve more. Most of them consist of calls to a specific system call with some argument management. So in hindsight, I think this book is two things: a reference book for systems programming and a general book about concepts related with an OS, specifically the Linux OS. Linux Kernel Development is another his book which is already in my reading queue. This books can be kept as a reference on Linux system programming and one has to go to it periodically to check up facts while doing coding. I think providing code examples that solve real-world problems could be more illustrative on how system calls can be used and could even help to spark some creativity on the learning reader. Lastly, as the kernel keeps evolving and new aspects and new systems calls get incorporated into the Linux kernel I think a new edition of this

book would be gladly welcomed. In addition, I found the examples too much simple. "В наборе компиляторов GNU (GNU Compiler Collection, GCC)"Качество перевода, количество опечаток и отсутствие редактуры удручает. This type of information can be easily retrieved from man pages. ...more Dec 21, 2018 Diego Pino rated it liked it I think this is one of the best books, if not the best, about systems programming in Linux (FWIW I'm not aware of any other book in the same category). Especially the parts about processes and memory management, для запоминания одного прочтения мало. The book is categorized in chapters, each chapter covering a topic (I/O, threading, memory management, process management, etc) and a good share of system calls. Being knowledgeable on this topic proved to be very helpful to help me understand challenges related to database related topics (e.g.concurrency and consistency). I do wish that there had been more discussion of which API is standard in the C library, or which is a glibc extra, which is a Linux system call, or which is extra API in a Linux header that's not a system call.I really appreciate that the writing was straightforward and direct, telling you the practical details. ...more A wonderful way to dive into systems programming and start getting a handle on the standard things the kernel does for you. Another nice thing about this book is that it provides you with some very low-level insights on software/hardware interaction, especially the part about writing data to memory. ...more Knr rated it really liked it Feb 11, 2017 Navid rated it really liked it Jul 12, 2014 Santiago rated it really liked it Oct 19, 2015 Alex rated it it was amazing Apr 30, 2019 Mahdi Golbaz rated it it was amazing Jul 29, 2020 Read simply what you need.On the other hand, there are a few things I didn't like about the book and perhaps could be improved in future editions. It's the best book ever when it comes about Linux internals, stuff like Multi threading, timers, IPC is perfectly explained in this book. Great syscalls and low level linux design explained from one of the kernel devs. Examples are also provided.I have to confess it took me a while to finish this book. ...more I really loved Love's Linux Kernel Development (LKD) book (I have read it couple of times) and I read this book in delirium immediately after I gobbled up the LKD book. Going down on the details of something I was not really interested made me wonder sometimes of how much value it was for me, as I would forget about what I just learned rather quickly. A very readable book for a programming manual - he not only goes over the API, but has well thought out suggestions as to when or how you should use particular programming interfaces, as well as which ones are most portable. He also gets into some of the internals of the latest Linux version so you can write efficient programs for your applications. It's the best book ever when it comes about Linux internals, stuff like Multi threading, timers, IPC is perfectly explained in this book. But again, that should not be a stop if you are not familiar with C since the snippets are short and very well explained. По возможности избегайте книг, изданных издательством "Питер". Even if it is a technical read, it doesn't go into highly theoretical concepts and thus, it is a perfectly valid candidate for your next commute read. A good point for this book is that it teaches you notions that will empower you to monitor Linux systems more efficiently. It is a really good book if you hacked your way through Linux and you feel you would be more efficient if you knew how things actually work under the hood.It provides a good illustration of the Linux everything is a file philosophy by describing the consequences of various A good introduction to the low-level layers of Linux systems. On the other hand, the examples (of which there are plenty) really help in getting a concrete (and practical) understanding of what the calls do. ...more May 23, 2015 Dee rated it it was amazing Highly readable, entirely useful.O'Reilly books tend to have a very high standard of clarity and general smartness and accuracy. ...more Sep 09, 2015 Murray Cumming rated it really liked it This book was a great chance for me to become more familiar with a lower level of Linux programming, which I usually manage to avoid unless absolutely necessary. ...more Jul 06, 2014 Alex rated it it was amazing · review of another edition Almost no fluff, very detailed and at the same time not that huge in confront to Rich Steven's book. Prior knowledge and experience on Linux systems are advised to take the most out of this reading. Parts of the book read a bit too much like man pages (I tended to mostly skip the paragraph long descriptions of each possible errno that can be set by each new call - that'd be useful as a reference, but not on your initial read-through. Though Linux is in the title, Robert Love does a good job of covering the commonalities and departures from other unix-like systems out there. I think, as it was pointed out in other reviews, the details about error handling described for each system call are excessive. You will learn plenty of things about the various steps of writing information to the disk. From my own investigation there are other competent books in this space like Stephen Rago's updated "Advanced unix programming" and "The Linux Programming Interface: A Linux and UNIX System Programming Handbook" by Michael Kerrisk (which is showing no #1 in Amazon best seller ratings) but if you like the tone/pace/depth of Love's writing (which I do) then this is the book for ya'. Expect to finish it in less than two weeks if you grab it with you while commuting.The code illustrating the system calls are in C but the code snippets are very short and understandable for developer unfamiliar with the C programming language.The main topics covered in this book are: - Introduction to the process of reading/writing data from/to the disk - Process management and signalsNote that those topics are mainly illustrated by studying C functions of standard libraries. Jun 21, 2008 Steve rated it really liked it · review of another edition A very clear, if sometimes excessive look through systems programming on Linux. A very clear, if sometimes excessive look through systems programming on Linux. Almost no fluff, very detailed and at the same time not that huge in confront to Rich Steven's book.



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