



Kernel Projects for Linux

By Gary Nutt

[Download now](#)

[Read Online](#) 

Kernel Projects for Linux By Gary Nutt

With *Kernel Projects for Linux*, Professor Gary Nutt provides a series of 12 lab exercises that illustrate how to implement core operating system concepts in the increasingly popular Linux environment. The makeup of the manual allows readers to learn concepts on a modern operating system—Linux—while at the same time viewing the source code. This hands-on manual complements any core OS book by demonstrating how theoretical concepts are realized in Linux. Part I presents an overview of the Linux design, offering some insight into such topics as runtime organization and process, file, and device management. Part II consists of a graduated set of exercises where readers move from inspecting various aspects of the operating system's internals to developing their own functions and data structures for the Linux kernel. This book is designed for programmers who need to learn the fundamentals of operating systems on a modern OS. The progressively harder exercises allow them to learn concepts in a hands-on setting.

 [Download Kernel Projects for Linux ...pdf](#)

 [Read Online Kernel Projects for Linux ...pdf](#)

Kernel Projects for Linux

By Gary Nutt

Kernel Projects for Linux By Gary Nutt

With Kernel Projects for Linux, Professor Gary Nutt provides a series of 12 lab exercises that illustrate how to implement core operating system concepts in the increasingly popular Linux environment. The makeup of the manual allows readers to learn concepts on a modern operating system—Linux—while at the same time viewing the source code. This hands-on manual complements any core OS book by demonstrating how theoretical concepts are realized in Linux. Part I presents an overview of the Linux design, offering some insight into such topics as runtime organization and process, file, and device management. Part II consists of a graduated set of exercises where readers move from inspecting various aspects of the operating system's internals to developing their own functions and data structures for the Linux kernel. This book is designed for programmers who need to learn the fundamentals of operating systems on a modern OS. The progressively harder exercises allow them to learn concepts in a hands-on setting.

Kernel Projects for Linux By Gary Nutt Bibliography

- Rank: #1865851 in Books
- Brand: Addison-Wesley
- Published on: 2000-07-29
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 9.14" h x .52" w x 7.37" l, .98 pounds
- Binding: Paperback
- 239 pages

 [Download Kernel Projects for Linux ...pdf](#)

 [Read Online Kernel Projects for Linux ...pdf](#)

Download and Read Free Online Kernel Projects for Linux By Gary Nutt

Editorial Review

From the Author

I have written Kernel Projects for Linux as a textbook to be used in the classroom (it is NOT a self-help reference book). Linux is an exciting OS because of its open source policy, resulting rapid development, and importance in the commercial world. This book is intended to introduce the Version 2.2.12 kernel to undergraduate students who may have only a year of programming experience, and who have not previously seen kernel code. The book begins with a 50-page overview of the kernel. The second part of the book is a dozen programming problems with graduated difficulty. Choosing problems in the Linux environment is especially difficult since most desirable additions or modifications have already been done. Each problem has an explanation of relevant concepts the student will need to solve the problem, and some hints about how to solve the problem. As an applied software book, the explanations and examples are bound to meet the disapproval of some readers ! -- have you ever seen a program or documentation that everyone thought was wonderful? Even so, the reviewers (instructors at very well-respected universities) and my students have found the book to be accurate and useful. Since it is a textbook rather than a technical reference book, its value would be greatly diluted by publishing the solutions to the dozen exercises, therefore (as is traditional in the textbook market) the publisher and I agreed to only distribute solutions to instructors -- sorry. Gary Nutt

From the Back Cover

This is a lab manual that provides a dozen specific lab exercises on Linux internals, illustrating how theoretical Operating System concepts are implemented in Linux. Part I presents an overview of the Linux kernel and how it handles key OS concepts such as: runtime organization and process, file, and device management. Part II presents a series of twelve progressively more difficult exercises that can be completed in a lab environment. This book can be used in conjunction with any core operating systems textbook, and is also available in a special academic package with Nutt: Operating Systems: A Modern Approach that includes a free copy of Red Hat Linux.

0201612437B04062001

About the Author

Gary J. Nutt is a Professor of Computer Science at the University of Colorado. He has also worked as researcher at Xerox PARC and Bell Labs, and as a corporate Vice President and manager of the Boulder office of Interactive Systems. His research interests are in operating systems, distributed systems, performance, and collaboration technology. He teaches in these areas as well as object-oriented software and networks.

0201612437AB04062001

Users Review

From reader reviews:

Frank Barcomb:

Why don't make it to become your habit? Right now, try to prepare your time to do the important take action, like looking for your favorite publication and reading a e-book. Beside you can solve your long lasting problem; you can add your knowledge by the publication entitled Kernel Projects for Linux. Try to stumble through book Kernel Projects for Linux as your pal. It means that it can to become your friend when you feel alone and beside that course make you smarter than before. Yeah, it is very fortuned for you personally. The book makes you considerably more confidence because you can know everything by the book. So , let us make new experience as well as knowledge with this book.

Effie Phillips:

Playing with family within a park, coming to see the sea world or hanging out with pals is thing that usually you might have done when you have spare time, subsequently why you don't try factor that really opposite from that. Just one activity that make you not sense tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of information. Even you love Kernel Projects for Linux, you could enjoy both. It is very good combination right, you still would like to miss it? What kind of hangout type is it? Oh can occur its mind hangout fellas. What? Still don't have it, oh come on its identified as reading friends.

Rosemary Lafleur:

Do you one of the book lovers? If so, do you ever feeling doubt when you are in the book store? Try to pick one book that you find out the inside because don't determine book by its include may doesn't work this is difficult job because you are frightened that the inside maybe not because fantastic as in the outside seem likes. Maybe you answer can be Kernel Projects for Linux why because the excellent cover that make you consider in regards to the content will not disappoint an individual. The inside or content will be fantastic as the outside or cover. Your reading sixth sense will directly show you to pick up this book.

Paul Andrews:

Some individuals said that they feel uninterested when they reading a guide. They are directly felt it when they get a half areas of the book. You can choose often the book Kernel Projects for Linux to make your personal reading is interesting. Your own skill of reading skill is developing when you just like reading. Try to choose straightforward book to make you enjoy to read it and mingle the impression about book and examining especially. It is to be 1st opinion for you to like to start a book and learn it. Beside that the reserve Kernel Projects for Linux can to be your brand new friend when you're experience alone and confuse using what must you're doing of this time.

**Download and Read Online Kernel Projects for Linux By Gary Nutt
#0MUPCTA9L8J**

Read Kernel Projects for Linux By Gary Nutt for online ebook

Kernel Projects for Linux By Gary Nutt Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Kernel Projects for Linux By Gary Nutt books to read online.

Online Kernel Projects for Linux By Gary Nutt ebook PDF download

Kernel Projects for Linux By Gary Nutt Doc

Kernel Projects for Linux By Gary Nutt Mobipocket

Kernel Projects for Linux By Gary Nutt EPub

0MUPCTA9L8J: Kernel Projects for Linux By Gary Nutt