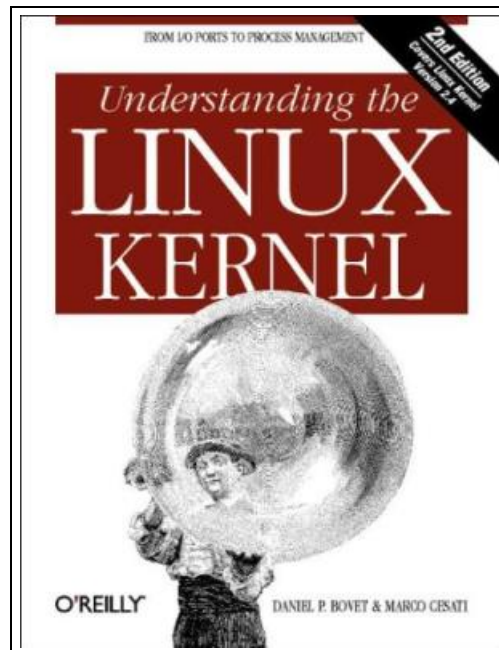


## Understanding the Linux Kernel (2nd Edition)



Filesize: 6.71 MB

### **Reviews**

*The book is straightforward in read safer to recognize. This really is for anyone who statte there had not been a worthy of looking at. You may like just how the blogger create this publication.*

**(Friedrich Nolan)**

## UNDERSTANDING THE LINUX KERNEL (2ND EDITION)



O'Reilly Media, 2002. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Preface 1. Introduction Linux Versus Other Unix-Like Kernels Hardware Dependency Linux Versions Basic Operating System Concepts An Overview of the Unix Filesystem An Overview of Unix Kernels 2. Memory Addressing Memory Addresses Segmentation in Hardware Segmentation in Linux Paging in Hardware Paging in Linux 3. Processes Processes, Lightweight Processes, and Threads Process Descriptor Process Switch Creating Processes Destroying Processes 4. Interrupts and Exceptions The Role of Interrupt Signals Interrupts and Exceptions Nested Execution of Exception and Interrupt Handlers Initializing the Interrupt Descriptor Table Exception Handling Interrupt Handling Softirqs, Tasklets, and Bottom Halves Returning from Interrupts and Exceptions 5. Kernel Synchronization Kernel Control Paths When Synchronization Is Not Necessary Synchronization Primitives Synchronizing Accesses to Kernel Data Structures Examples of Race Condition Prevention 6. Timing Measurements Hardware Clocks The Linux Timekeeping Architecture CPU's Time Sharing Updating the Time and Date Updating System Statistics Software Timers System Calls Related to Timing Measurements 7. Memory Management Page Frame Management Memory Area Management Noncontiguous Memory Area Management 8. Process Address Space The Process's Address Space The Memory Descriptor Memory Regions Page Fault Exception Handler Creating and Deleting a Process Address Space Managing the Heap 9. System Calls POSIX APIs and System Calls System Call Handler and Service Routines Kernel Wrapper Routines 10. Signals The Role of Signals Generating a Signal Delivering a Signal System Calls Related to Signal Handling 11. Process Scheduling Scheduling Policy The Scheduling Algorithm System Calls Related to Scheduling 12. The Virtual Filesystem The Role of the Virtual Filesystem (VFS) VFS Data Structures Filesystem Types Filesystem Mounting Pathname Lookup Implementations of VFS System Calls File Locking 13. Managing I/O Devices I/O Architecture Device Files Device Drivers Block Device Drivers Character Device Drivers 14. Disk Caches...



[Read Understanding the Linux Kernel \(2nd Edition\) Online](#)

[Download PDF Understanding the Linux Kernel \(2nd Edition\)](#)

## Related PDFs



**TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save ePub »](#)



**TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save ePub »](#)



**The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3**

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.After six years as a private investigator, Stacey Alexander has the strangest day...

[Save ePub »](#)



**What is Love A Kid Friendly Interpretation of 1 John 3:11, 16-18 1 Corinthians 13:1-8 13**

Teaching Christ's Children Publishing. Paperback. Book Condition: New. Daan Yahya (illustrator). Paperback. 26 pages. Dimensions: 10.0in. x 8.0in. x 0.1in.What is Love is a Bible based picture book that is designed to help children understand...

[Save ePub »](#)



**Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)**

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition), Theresa Casey, 'Theresa's book is full of lots of inspiring, practical, 'how...

[Save ePub »](#)



**Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)**

Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Klara is a little different from the other

[Read PDF »](#)



**Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep**

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children

[Read PDF »](#)



**THE Key to My Children Series: Evan s Eyebrows Say Yes**

AUTHORHOUSE, United States, 2006. Paperback. Book Condition: New. 274 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.THE KEY TO MY CHILDREN SERIES: EVAN S EYEBROWS SAY YES is about

[Read PDF »](#)



**Read Write Inc. Phonics: Yellow Set 5 Storybook 7 Do We Have to Keep it?**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 211 x 101 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read

[Read PDF »](#)



**Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1**

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.8in. x 6.7in. x 0.2in. Van Gogh for Kids 9. 754. 99-Paperback ABOUT SMART READS for Kids. . .

[Read PDF »](#)