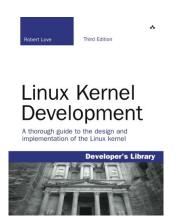
[PDF] Linux Kernel Development (3rd Edition)

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Title: Linux Kernel Development (3rd

Author: Robert Love Released: 2010-07-02

Language: Pages: 440 ISBN: 0672329468 ISBN13: 9780672329463 ASIN: 0672329468

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The book details the major subsystems and features of the Linux kernel, including its design, implementation, and interfaces. It covers the Linux kernel with both a practical and theoretical eye, which should appeal to readers with a variety of interests and needs.

The author, a core kernel developer, shares valuable knowledge and experience on the 2.6 Linux kernel. Specific topics covered include process management, scheduling, time management and timers, the system call interface, memory addressing, memory management, the page cache, the VFS, kernel synchronization, portability concerns, and debugging techniques. This book covers the most interesting features of the Linux 2.6 kernel, including the CFS scheduler, preemptive kernel, block I/O layer, and I/O schedulers.

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- An all-new chapter on kernel data structures
- Details on interrupt handlers and bottom halves
- Extended coverage of virtual memory and memory allocation
- Tips on debugging the Linux kernel
- In-depth coverage of kernel synchronization and locking
- Useful insight into submitting kernel patches and working with the Linux kernel community

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