Advanced UNIX Programming (2nd Edition)

By Marc J. Rochkind

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Helping UNIX programmers have a one-volume guide to the essential system-level services provided to them by the UNIX family of operating systems, this edition includes Linux, FreeBSD, and the Mac OS X kernel. Because mastering application programs is essential for successful UNIX programming, it helps programmers with emphasis on portability.

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Editorial Review

From the Publisher
A comprehensive examination of UNIX® system calls--the interface between user programs and the kernel.

From the Back Cover

The classic guide to UNIX® programming-completely updated!

UNIX application programming requires a mastery of system-level services. Making sense of the many functions-more than 1,100 functions in the current UNIX specification-is a daunting task, so for years programmers have turned to Advanced UNIX Programming for its clear, expert advice on how to use the key functions reliably.

An enormous number of changes have taken place in the UNIX environment since the landmark first edition. In Advanced UNIX Programming, Second Edition, UNIX pioneer Marc J. Rochkind brings the book fully up to date, with all-new, comprehensive coverage including:

- POSIX
- Solaris™
- Linux®
- FreeBSD
- Darwin, the Mac™ OS X kernel
- And more than 200 new system calls

Rochkind's fully updated classic explains all the UNIX system calls you're likely to need, all in a single volume!

- Interprocess communication, networking (sockets), pseudo terminals, asynchronous I/O, advanced signals, realtime, and threads
- Covers the system calls you'll actually use-no need to plow through hundreds of improperly implemented, obsolete, and otherwise unnecessary system calls!
- Thousands of lines of example code include a Web browser and server, a keystroke recorder/player, and a shell complete with pipelines, redirection, and background processes
- Emphasis on the practical-ensuring portability, avoiding pitfalls, and much more!

Since 1985, the one book to have for mastering UNIX application programming has been Rochkind's Advanced UNIX Programming. Now completely updated, the second edition remains the choice for up-to-the-minute, in-depth coverage of the essential system-level services of the UNIX family of operating systems.

About the Author

MARC J. ROCHKIND was fortunate enough to have worked at Bell Laboratories in the 1970s, when UNIX was still in its infancy. It was there that Rochkind made several key contributions to UNIX, notably the Source Code Control System. He wrote the first edition of Advanced UNIX Programming in 1984. This

complete revision benefits from his years of post-Bell application systems development experience.

Users Review

From reader reviews:

Anthony Laflamme:

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