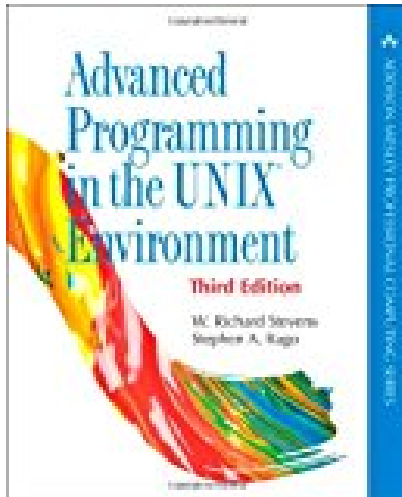


# Advanced Programming in the UNIX Environment 3rd Edition

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## BOOK DETAILS

- Author : W. Richard Stevens
- Pages : 1024 Pages
- Publisher : Addison-Wesley Professional
- Language : English
- ISBN : 0321637739

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## BOOK SYNOPSIS

W. Richard Stevens definitive, classic guide to UNIX® programming, now 100% updated for today's leading systems and distributions! \* \*The #1 guide to UNIX/Linux programming since 1992: now updated to address newer versions of Red Hat, Solaris, FreeBSD, and Mac OS X, cover Ubuntu Linux, and reflect newer techniques and best practices \*Contains nearly 10,000 lines of code, all carefully tested on today's most widely-used UNIX/Linux platforms \*A million-dollar global bestseller since its last update in 2005! For more than twenty years, serious C programmers have relied on one book for practical, in-depth knowledge of the programming interfaces that drive the UNIX and Linux kernels: W. Richard Stevens *Advanced Programming in the UNIX® Environment*. Now, once again, Stevens colleague Stephen A. Rago has thoroughly updated this classic. The new third edition supports today's leading platforms, reflects new technical advances and best practices, and fully aligns with Version 4 of the Single UNIX Specification. Rago carefully retains the spirit and approach that have made this book so valuable. Building on Stevens' pioneering work, he begins with files, directories, and processes, carefully laying the groundwork for more advanced techniques, such as signal handling and terminal I/O. Next, he thoroughly covers threads and multithreaded programming (including the Native POSIX Thread Library), as well as socket-based IPC. This edition covers more than seventy new interfaces, including POSIX asynchronous I/O, spin locks, barriers, and POSIX semaphores. Most obsolete interfaces have been removed, except for a few that remain ubiquitous. Nearly all examples have been tested on five modern platforms: Red Hat 2.6.x, Solaris 10.3, the 64-bit Intel version of OS X Version 10.6.8 (Darwin 10.8.0), FreeBSD 8.0, and, for the first time, Ubuntu (version 12.04, based on Linux 3.2). As in previous editions, you'll learn through examples, including more than ten thousand lines of downloadable, ANSI C source code. More than four hundred system calls and functions are demonstrated with concise, complete programs that clearly illustrate their usage, arguments, and return values. To tie together what you've learned, the book presents several chapter-length case studies, each reflecting contemporary environments. *Advanced Programming in the UNIX® Environment* has helped generations of programmers write code with exceptional power, performance, and reliability. Now updated for today's systems, this third edition will be even more valuable.

**ADVANCED PROGRAMMING IN THE UNIX ENVIRONMENT 3RD EDITION -**

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