

## *Unix Manuals Linux*

***The Art of UNIX Programming poses the belief that understanding the unwritten UNIX engineering tradition and mastering its design patterns will help***

***programmers of all stripes to become better programmers. This book attempts to capture the engineering wisdom and design philosophy of the UNIX, Linux, and Open Source software development community as it has evolved***

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***over the past three decades, and as it is applied today by the most experienced programmers. Eric Raymond offers the next generation of "hackers" the unique opportunity to learn the connection between UNIX***

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***philosophy and practice through careful case studies of the very best UNIX/Linux programs.***

***This collection of tips, tools, and scripts provides clear, concise, hands-on solutions that can be applied to the***

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***learning, Guide to UNIX Using Linux, International Edition is the perfect resource for learning UNIX and Linux from the ground up. Through the use of practical examples, end-of-chapter reviews, and interactive exercises, novice***

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***users are transformed into confident UNIX/Linux users who can employ utilities, master files, manage and query data, create scripts, access a network or the Internet, and navigate popular user interfaces and***

***software. The updated 4th edition incorporates coverage of the latest versions of UNIX and Linux, including new versions of Red Hat, Fedora, SUSE, and Uuntu Linux. A new chapter has also been added to cover basic networking***



***utilities, and several other chapters have been expanded to include additional information on the KDE and GNOME desktops, as well as coverage of the popular OpenOffice.org office suite. With a strong focus on***

***universal UNIX and Linux commands that are transferable to all versions of Linux, this book is a “must-have” for anyone seeking to develop their knowledge of these systems. Python is an ideal language***

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threading and forking options  
Get information from one  
process to another using  
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***and complex utilities Monitor large clusters of machines by interacting with SNMP programmatically Master the IPython Interactive Python shell to replace or augment Bash, Korn, or Z-Shell Integrate Cloud Computing***

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*Linux and UNIX programming interface—the interface employed by nearly every application that runs on a Linux or UNIX system. In this authoritative work, Linux programming expert Michael Kerrisk provides detailed*

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*descriptions of the system calls and library functions that you need in order to master the craft of system programming, and accompanies his explanations with clear, complete example programs. You'll find descriptions of over 500 system*

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*calls and library functions, and more than 200 example programs, 88 tables, and 115 diagrams. You'll learn how to: –Read and write files efficiently –Use signals, clocks, and timers –Create processes and execute programs –Write secure*

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*programs –Write multithreaded programs using POSIX threads  
–Build and use shared libraries  
–Perform interprocess communication using pipes, message queues, shared memory, and semaphores –Write network*

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*applications with the sockets API  
While The Linux Programming  
Interface covers a wealth of Linux-  
specific features, including epoll,  
inotify, and the /proc file system, its  
emphasis on UNIX standards  
(POSIX.1-2001/SUSv3 and*

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*POSIX.1-2008/SUSv4) makes it equally valuable to programmers working on other UNIX platforms. The Linux Programming Interface is the most comprehensive single-volume work on the Linux and UNIX programming interface, and a*

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