



UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1

By *W. Richard Stevens*

[Download now](#)

[Read Online](#) 

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens

49001-1 The only guide to UNIX network programming APIs you'll ever need! Whether you write Web servers, client/server applications, or any other network software, you need to understand networking APIs—especially sockets in greater detail than ever before. You need UNIX Network Programming, Volume 1, Second Edition. In this book, leading UNIX networking expert W. Richard Stevens offers unprecedented, start-to-finish guidance on making the most of sockets, the de facto standard for UNIX network programming—as well as extensive coverage of the X/Open Transport Interface (XTI). Stevens begins by introducing virtually every basic capability of TCP and UDP sockets, including socket functions and options, I/O multiplexing, and name and address conversions. He presents detailed coverage of the Posix.1g standard for sockets and the Posix threads. He also introduces advanced techniques for: *Establishing IPv4/IPv6 interoperability. *Implementing non-blocking I/O. *Routing sockets. *Broadcasting and multicasting. *IP options. *Multithreading. *Advanced name and address conversions. *UNIX domain protocols. *Raw sockets. Learn how to choose among today's leading client/server design approaches, including TCP iterative, concurrent, preforked and prethreaded servers. Master the X/Open Transport Interface, including XTI TCP clients and servers, name and address functions, options, streams and additional functions. The Internet/intranet revolution has dramatically increased the demand for developers with a sophisticated understanding of network programming APIs, especially sockets. One book contains all you need to know: UNIX Network Programming, Volume 1, Second Edition.

 [Download UNIX Network Programming: Networking APIs: Sockets ...pdf](#)

 [Read Online UNIX Network Programming: Networking APIs: Sockets ...pdf](#)

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1

By W. Richard Stevens

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens

49001-1 The only guide to UNIX network programming APIs you'll ever need! Whether you write Web servers, client/server applications, or any other network software, you need to understand networking APIs-especially sockets in greater detail than ever before. You need UNIX Network Programming, Volume 1, Second Edition. In this book, leading UNIX networking expert W. Richard Stevens offers unprecedented, start-to-finish guidance on making the most of sockets, the de facto standard for UNIX network programming-as well as extensive coverage of the X/Open Transport Interface (XTI). Stevens begins by introducing virtually every basic capability of TCP and UDP sockets, including socket functions and options, I/O multiplexing, and name and address conversions. He presents detailed coverage of the Posix.1g standard for sockets and the Posix threads. He also introduces advanced techniques for: *Establishing IPv4/IPv6 interoperability. *Implementing non-blocking I/O. *Routing sockets. *Broadcasting and multicasting. *IP options. *Multithreading. *Advanced name and address conversions. *UNIX domain protocols. *Raw sockets. Learn how to choose among today's leading client/server design approaches, including TCP iterative, concurrent, preforked and prethreaded servers. Master the X/Open Transport Interface, including XTI TCP clients and servers, name and address functions, options, streams and additional functions. The Internet/intranet revolution has dramatically increased the demand for developers with a sophisticated understanding of network programming APIs, especially sockets. One book contains all you need to know: UNIX Network Programming, Volume 1, Second Edition.

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens

Bibliography

- Rank: #450996 in Books
- Published on: 1998-01-15
- Original language: German
- Number of items: 1
- Dimensions: 1.64" h x 7.44" w x 9.68" l,
- Binding: Hardcover
- 1009 pages



[Download UNIX Network Programming: Networking APIs: Sockets ...pdf](#)



[Read Online UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1](#)

Download and Read Free Online UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens

Editorial Review

Amazon.com Review

The classic programming text *Unix Network Programming* has been updated by author W. Richard Stevens to encompass three new volumes. There have been a few changes in the computing world since 1990 (the year the original was published), and Stevens has taken the opportunity to create a complete set of reference manuals for programmers of all skill levels.

The first volume, *Networking APIs: Sockets and XTI*, covers everything you need to know to make your programs communicate over networks. Stevens covers everything from writing your programs to be compatible with both Internet Protocol version 4 (IPv4) and IPv6, to raw sockets, routing sockets, User Datagram Protocol (UDP), broadcasting/multicasting, routing sockets, server internals, and more, plus a section covering Posix threads.

Stevens also notes compatibility issues with different operating systems so that readers can create code that is more portable, and he offers plenty of advice on how to make code more robust. --*Doug Beaver*

From the Back Cover

The only guide to UNIX network programming APIs you'll ever need!

Whether you write Web servers, client/server applications, or any other network software, you need to understand networking APIs—especially sockets in greater detail than ever before. You need *UNIX Network Programming, Volume 1, Second Edition*.

In this book, leading UNIX networking expert W. Richard Stevens offers unprecedented, start-to-finish guidance on making the most of sockets, the de facto standard for UNIX network programming—as well as extensive coverage of the X/Open Transport Interface (XTI).

Stevens begins by introducing virtually every basic capability of TCP and UDP sockets, including socket functions and options, I/O multiplexing, and name and address conversions. He presents detailed coverage of the Posix.1g standard for sockets and the Posix threads. He also introduces advanced techniques for:

- Establishing IPv4/IPv6 interoperability.
- Implementing non-blocking I/O.
- Routing sockets.
- Broadcasting and multicasting.
- IP options.
- Multithreading.
- Advanced name and address conversions.
- UNIX domain protocols.
- Raw sockets.

Learn how to choose among today's leading client/server design approaches, including TCP iterative, concurrent, preforked and prethreaded servers. Master the X/Open Transport Interface, including XTI TCP clients and servers, name and address functions, options, streams and additional functions.

The Internet/intranet revolution has dramatically increased the demand for developers with a sophisticated understanding of network programming APIs, especially sockets. One book contains all you need to know: *UNIX Network Programming, Volume 1, Second Edition*.

About the Author

W. RICHARD STEVENS is author of UNIX Network Programming, First Edition, widely recognized as the classic text in UNIX networking. He is also the author of Advanced Programming in the UNIX Environment and the TCP/IP Illustrated Series. He is an acknowledged UNIX and networking expert, sought-after instructor, and occasional consultant.

Users Review

From reader reviews:

Cameron Keller:

The book UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 give you a sense of feeling enjoy for your spare time. You may use to make your capable considerably more increase. Book can be your best friend when you getting anxiety or having big problem with the subject. If you can make studying a book UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 being your habit, you can get considerably more advantages, like add your current capable, increase your knowledge about a number of or all subjects. It is possible to know everything if you like open and read a e-book UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1. Kinds of book are several. It means that, science guide or encyclopedia or other individuals. So , how do you think about this publication?

Debbie Brown:

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 can be one of your basic books that are good idea. All of us recommend that straight away because this book has good vocabulary that may increase your knowledge in vocab, easy to understand, bit entertaining but still delivering the information. The article author giving his/her effort to set every word into joy arrangement in writing UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 although doesn't forget the main position, giving the reader the hottest in addition to based confirm resource facts that maybe you can be one of it. This great information could drawn you into fresh stage of crucial considering.

Selma McDaniel:

Do you like reading a reserve? Confuse to looking for your best book? Or your book has been rare? Why so many issue for the book? But just about any people feel that they enjoy for reading. Some people likes examining, not only science book but also novel and UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 as well as others sources were given information for you. After you know how the good a book, you feel need to read more and more. Science book was created for teacher or even students especially. Those guides are helping them to put their knowledge. In different case, beside science publication, any other book likes UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 to make your spare time a lot more colorful. Many types of book like this one.

Doris Garcia:

Reading a reserve make you to get more knowledge from it. You can take knowledge and information from a book. Book is published or printed or descriptive from each source that will filled update of news. In this particular modern era like now, many ways to get information are available for you actually. From media social similar to newspaper, magazines, science book, encyclopedia, reference book, novel and comic. You can add your understanding by that book. Are you ready to spend your spare time to spread out your book? Or just seeking the UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 when you required it?

**Download and Read Online UNIX Network Programming:
Networking APIs: Sockets and XTI; Volume 1 By W. Richard
Stevens #47MHNJ6WCT3**

Read UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens for online ebook

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens books to read online.

Online UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens ebook PDF download

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens Doc

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens Mobipocket

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens EPub

47MHNJ6WCT3: UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 By W. Richard Stevens