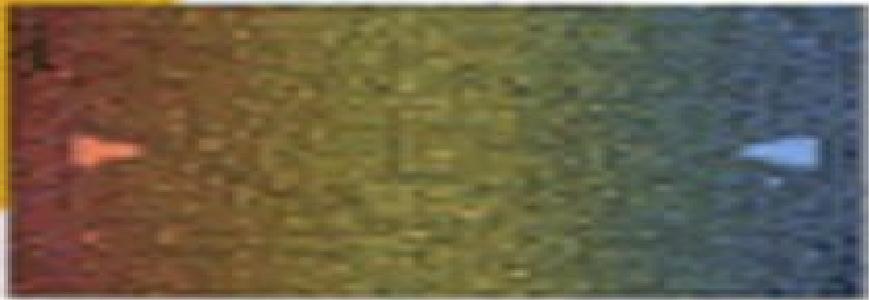


UNIX Network Programming

The Sockets Networking API

VOLUME 1 THIRD EDITION



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UNIX Network Programming: The sockets networking API W. Richard Stevens, Bill Fenner, Andrew M. Rudoff, 2004 To build today's highly distributed networked applications and services you need deep mastery of sockets and other key networking APIs One book delivers comprehensive start to finish guidance for building robust high performance networked systems in any environment UNIX Network Programming Volume 1 Third Edition **UNIX NETWORK PROGRAMMING** STEVENS, 1992-08-01 **Unix Network Programming Volume 1: the Sockets Networking API** Stevens Richard, Fenner Bill, 2003-11 *UNIX Network Programming* Stevens, 1991-07-01 **Unix Network Programming** W. Richard Stevens, 1990 *UNIX Network Programming, Volume 2* W. Richard Stevens, 1998-08-25 Well implemented interprocess communications IPC are key to the performance of virtually every non trivial UNIX program In UNIX Network Programming Volume 2 Second Edition legendary UNIX expert W Richard Stevens presents a comprehensive guide to every form of IPC including message passing synchronization shared memory and Remote Procedure Calls RPC Stevens begins with a basic introduction to IPC and the problems it is intended to solve Step by step you'll learn how to maximize both System V IPC and the new Posix standards which offer dramatic improvements in convenience and performance **Network Programming with Perl** Lincoln D. Stein, 2001 A text focusing on the methods and alternatives for designed TCP/IP based client server systems and advanced techniques for specialized applications with Perl A guide examining a collection of the best third party modules in the Comprehensive Perl Archive Network Topics covered Perl function libraries and techniques that allow programs to interact with resources over a network IO Socket library Net FTP library Telnet library SMTP library Chat problems Internet Message Access Protocol IMAP issues Markup language parsing Internet Protocol IP broadcasting and multicasting **C++ Network Programming, Volume I** Douglas Schmidt, Stephen D. Huston, 2001-12-10 As networks devices and systems continue to evolve software engineers face the unique challenge of creating reliable distributed applications within frequently changing environments C Network Programming Volume 1 provides practical solutions for developing and optimizing complex distributed systems using the ADAPTIVE Communication Environment ACE a revolutionary open source framework that runs on dozens of hardware platforms and operating systems This book guides software professionals through the traps and pitfalls of developing efficient portable and flexible networked applications It explores the inherent design complexities of concurrent networked applications and the tradeoffs that must be considered when working to master them C Network Programming begins with an overview of the issues and tools involved in writing distributed concurrent applications The book then provides the essential design dimensions patterns and principles needed to develop flexible and efficient concurrent networked applications The book's expert author team shows you how to enhance design skills while applying C and patterns effectively to develop object oriented networked applications Readers will find coverage of C network programming including an overview and strategies for addressing common development challenges

The ACE Toolkit Connection protocols message exchange and message passing versus shared memory Implementation methods for reusable networked application services Concurrency in object oriented network programming Design principles and patterns for ACE wrapper facades With this book C developers have at their disposal the most complete toolkit available for developing successful multiplatform concurrent networked applications with ease and efficiency *The Sockets Networking API* W. Stevens, Bill Fenner, Andrew Rudoff, 2003 UNIX Network Programming Volume 1 The Sockets Networking API Third Edition Everyone will want this book because it provides a great mix of practical experience historical perspective and a depth of understanding that only comes from being intimately involved in the field I've already enjoyed and learned from reading this book and surely you will too Sam Leffler The classic guide to UNIX networking APIs now completely updated To build today's highly distributed networked applications and services you need deep mastery of sockets and other key networking APIs One book delivers comprehensive start to finish guidance for building robust high performance networked systems in any environment UNIX Network Programming Volume 1 Third Edition Building on the legendary work of W Richard Stevens this edition has been fully updated by two leading network programming experts to address today's most crucial standards implementations and techniques New topics include POSIX Single UNIX Specification Version 3 IPv6 APIs including updated guidance on IPv6 IPv4 interoperability The new SCTP transport protocol IPsec based Key Management Sockets FreeBSD 4 8 5 1 Red Hat Linux 9 x Solaris 9 AIX 5 x HP UX and Mac OS X implementations New network program debugging techniques Source Specific Multicast API the key enabler for widespread IP multicast deployment The authors also update and extend Stevens definitive coverage of these crucial UNIX networking standards and techniques TCP and UDP transport Sockets elementary advanced routed and raw I/O multiplexing advanced functions nonblocking and signal driven Daemons and inetd UNIX domain protocols ioctl operations Broadcasting and multicasting Threads Streams Design TCP iterative concurrent preforked and prethreaded servers Since 1990 network programmers have turned to one source for the insights and techniques they need W Richard Stevens UNIX Network Programming Now there's an edition specifically designed for today's challenges and tomorrow's *UNIX Network Programming: The sockets networking API* W. Richard Stevens, 2004 *Unix Network Programming: The Sockets Networking Api* W. Richard Stevens, 2011 [UNIX Network Programming](#) W. Richard Stevens, 1990 The Unix model Interprocess communication A network primer Communication protocols Berkeley sockets System V transport layer interface Library routines Security Time and date routines Ping routines Trivial file transfer protocol Line printer spoolers Remote command execution Remote login Remote tape drive access Performance Remote procedure calls **C++ Network Programming, Volume 2** Douglas Schmidt, Stephen D. Huston, 2002-10-29 Do you need to develop flexible software that can be customized quickly Do you need to add the power and efficiency of frameworks to your software The ADAPTIVE Communication Environment ACE is an open source toolkit for building high performance networked applications and next generation middleware ACE's power and

flexibility arise from object oriented frameworks used to achieve the systematic reuse of networked application software ACE frameworks handle common network programming tasks and can be customized using C language features to produce complete distributed applications C Network Programming Volume 2 focuses on ACE frameworks providing thorough coverage of the concepts patterns and usage rules that form their structure This book is a practical guide to designing object oriented frameworks and shows developers how to apply frameworks to concurrent networked applications C Networking Volume 1 introduced ACE and the wrapper facades which are basic network computing ingredients Volume 2 explains how frameworks build on wrapper facades to provide higher level communication services Written by two experts in the ACE community this book contains An overview of ACE frameworks Design dimensions for networked services Descriptions of the key capabilities of the most important ACE frameworks Numerous C code examples that demonstrate how to use ACE frameworks C Network Programming Volume 2 teaches how to use frameworks to write networked applications quickly reducing development effort and overhead It will be an invaluable asset to any C developer working on networked applications

Unix Network Programming Interprocess Communications Vol. 2 , 2Nd Ed. Stevens, *AUUGN*, 2000-03 Unix Network Programming The Sockets And Networking Api Vol. 1 3Rd Ed. Stevens Et Al., *C++ Network Programming* Douglas C. Schmidt, Stephen D. Huston, 2003 Writing high quality networked applications is difficult it s expensive complicated and error prone This book picks up where volume one left off and guides C programmers through using the Adaptive Communication Environment ACE the most complete toolkit available for networked programming

Effective TCP/IP Programming Jon C. Snader, 2000 In 44 expert mini lessons Effective TCP IP Programming demystifies TCP IP development eliminating the guesswork helping programmers past the obstacles and showing how to dramatically improve application performance and robustness TCP IP programming can seem seductively simple the API is straightforward and even novices can flesh out a working application But there are plenty of hidden obstacles and developers who don t understand them will encounter serious performance problems Effective TCP IP Programming demystifies the critical details and hidden behaviors of TCP IP so programmers can build code that s more reliable maintainable and efficient Following the widely admired style of Scott Meyers Effective C Jon C Snader has organized this book into 44 short self contained sections each addressing one key aspect of TCP IP development or one key trouble spot and each including detailed fully commented code examples The result a book that s easy to read and absorb and will serve as an outstanding day to day reference tool for every developer who wants to create TCP IP based network applications A perfect complement to other books on TCP IP such as TCP IP Illustrated Volume 1 by W Richard Stevens **Unix System Administration Handbook** Evi Nemeth, 2001 Now covers Red Hat Linux Written by Evi Nemeth Garth Snyder Scott Seebass and Trent R Hein with Adam Boggs Rob Braun Ned McClain Dan Crawl Lynda McGinley and Todd Miller This is not a nice neat book for a nice clean world It s a nasty book for a nasty world This is a book for the rest of us Eric Allman and Marshall Kirk McKusick

am pleased to welcome Linux to the UNIX System Administration Handbook Linus Torvalds Transmeta This book is most welcome Dennis Ritchie AT T Bell Laboratories This new edition of the world s most comprehensive guide to UNIX system administration is an ideal tutorial for those new to administration and an invaluable reference for experienced professionals The third edition has been expanded to include direct from the frontlines coverage of Red Hat Linux UNIX System Administration Handbook describes every aspect of system administration from basic topics to UNIX esoterica and provides explicit coverage of four popular UNIX systems This book stresses a practical approach to system administration It s packed with war stories and pragmatic advice not just theory and watered down restatements of the manuals Difficult subjects such as sendmail kernel building and DNS configuration are tackled head on Examples are provided for all four versions of UNIX and are drawn from real life systems warts and all This book is where I turn first when I have system administration questions It is truly a wonderful resource and always within reach of my terminal W Richard Stevens author of numerous books on UNIX and TCP IP This is a comprehensive guide to the care and feeding of UNIX systems The authors present the facts along with seasoned advice and numerous real world examples Their perspective on the variations among systems is valuable for anyone who runs a heterogeneous computing facility Pat Parseghian Transmeta We noticed your book on the staff recommendations shelf at our local bookstore Very clear a masterful interpretation of the subject We were most impressed until we noticed that the same staff member had also recommended Aunt Bea s Mayberry Cookbook Shannon Bloomstran history teacher

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