

UNIX

NETWORK PROGRAMMING

Networking APIs: **Sockets and XTI**

Volume 1

SECOND EDITION

W. RICHARD STEVENS

Unix Networking

W. Richard Stevens



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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 Networking Clearly Explained* Richard Petersen, 1999 Unix has become the foremost operating systems platform for network servers and workstations Many of the tools used currently for Internet access were designed originally on Unix *Unix Networking Clearly Explained* focuses on the Unix tools used for network and Internet access The book covers the essentials of electronic mail as well as popular Unix mailers such as mailx elm pine and mh Detailed configuration features are addressed for each mailer The various Unix newsreaders are covered in depth including trn tin and nn The book also covers Internet tools asarchie telnet ftp Web browsers and Gopher While not intended as a Unix primer for system administration *Unix Networking Clearly Explained* will introduce the basics of network administration The focus of this book is on the end user client software rather than the technicalities of network administration The aim of the book is to help users make use of all the Unix tools available on their local networks and the Internet The content will introduce the reader to the complete range of Unix networking capabilities so that a computing professional new to Unix will understand the basics before moving into the more complex area of Unix system administration *Unix Network Programming* W. Richard Stevens, 1999 Stevens focuses on two major networking APIs Sockets and the X Open Transport Interface He explains how to build robust UNIX networking software including Web servers and examines client server design **UNIX Networking** Stephen G. Kochan, Patrick H. Wood, 1989 This comprehensive overview of the major aspects of networking in the UNIX operating system discusses programming considerations system security and the respective advantages of various networks **Networking UNIX** Salim Douba, 1995 Emphasizing academic insight and real world experience this book provides the reader with the ability to assess the repercussions of any steps being contemplated before the steps are actually committed in addition to raising the reader's interest to beyond just the mechanics of UNIX networking Real world experience includes scenarios based on the author's experience with clients UNIX Network Programming: Networking APIs, sockets and XTI W. Richard Stevens, 1999 *DOS UNIX Networking and Internetworking* Michael J. Burgard, Mike Burgard, Kenneth D. Phillips, 1994-01-28 Begins with an overview of networking theory and offers readers practical guidelines for building networks with a wide variety of configurations for all types of computing environments including DOS UNIX OS 2 and Windows NT Internetworking is addressed through product reviews hardware recommendations and a complete discussion of implementation strategies UNIX System V Network Programming Stephen A. Rago, 1993 Steve Rago offers valuable insights into the kernel level features of SVR4 not covered elsewhere I think readers will especially appreciate the coverage of STREAMS TLI and SLIP W

Richard Stevens author of UNIX Network Programming Advanced Programming in the UNIX Environment TCP IP Illustrated Volume 1 and TCP IP Illustrated Volume 2 Finally with UNIX R System V Network Programming an authoritative reference is available for programmers and system architects interested in building networked and distributed applications for UNIX System V Even if you currently use a different version of the UNIX system such as the latest release of 4.3BSD or SunOS this book is valuable to you because it is centered around UNIX System V Release 4 the version of the UNIX system that unified many of the divergent UNIX implementations For those professionals new to networking and UNIX system programming two introductory chapters are provided The author then presents the programming interfaces most important to building communication software in System V including STREAMS the Transport Layer Interface library Sockets and Remote Procedure Calls So that your designs are not limited to user level the author also explains how to write kernel level communication software including STREAMS drivers modules and multiplexors Many examples are provided including an Ethernet driver and a transport level multiplexing driver In the final chapter the author brings the material from previous chapters together presenting the design of a SLIP communication package 0201563185B04062001 **Network World**, 1990-03-26 For more than 20 years Network World has been the premier provider of information intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations Readers are responsible for designing implementing and managing the voice data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce **UNIX Network Programming: The sockets networking API** W. Richard Stevens, 2004 **Adventures in UNIX Network Applications Programming** Bill Rieken, Lyle Weiman, 1992-11-04 Written to help you with the ten percent of the network programming that consumes ninety percent of your time and causes most of your vexing problems it teaches communications network programming including interprocess communicator protocols and process level application programming Geared to the growing number of programmers in the UNIX workstation environment it covers a variety of the most widely used protocols of OSI TCP/IP X.25 Berkeley Sockets AT&T System V Streams and more In addition it develops the code for solutions to typical problems in network software programming and offers numerous practical and helpful examples *Network World*, 1990-01-15 For more than 20 years Network World has been the premier provider of information intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations Readers are responsible for designing implementing and managing the voice data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce **Network World**, 1994-03-21 For more than 20 years Network World has been the premier provider of information intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations Readers are responsible for designing implementing and managing the voice data and video systems their companies use to support everything from business critical applications to

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