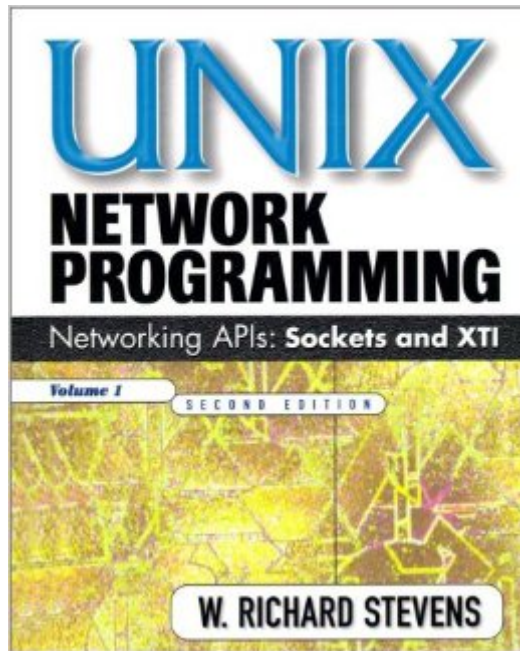


The book was found

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



Synopsis

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.

Book Information

Hardcover: 1009 pages

Publisher: Prentice Hall PTR; 2 Sub edition (January 15, 1998)

Language: English

ISBN-10: 013490012X

ISBN-13: 978-0134900124

Product Dimensions: 9.7 x 7.4 x 1.6 inches

Shipping Weight: 3.8 pounds

Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (51 customer reviews)

Best Sellers Rank: #616,279 in Books (See Top 100 in Books) #28 inÂ Books > Computers & Technology > Programming > APIs & Operating Environments > Unix #204 inÂ Books > Computers & Technology > Operating Systems > Unix #429 inÂ Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > Networks

Customer Reviews

First things first. This is an excellent book. It is also by far the best book on its subject. Those are the first, simplest, and most important things to understand about it. Before explaining what makes it so good, let's get the table of contents out of the way:

Preface
Part 1. Introduction and TCP/IP
1. Introduction
2. The Transport Layer: TCP and UDP
Part 2. Elementary Sockets
3. Sockets
4. Elementary TCP Sockets
5. TCP Client-Server Example
6. I/O Multiplexing: The select() and poll() Functions
7. Socket Options
8. Elementary UDP Sockets
9. Elementary Name and Address Conventions
Part 3. Advanced Sockets
10. IPv4 and IPv6 Interoperability
11. Advanced Name and Address Conversions
12. Daemon Processes and 'inetd' Superserver
13. Advanced I/O Functions
14. Unix Domain Protocols
15. Non-Blocking I/O
16. ioctl() Operations
17. Routing
18. Broadcasting
19. Multicasting
20. Advanced UDP Sockets
21. Out-of-Band Data
22. Signal-Driven I/O
23. Threads
24. IP Options
25. Raw Sockets
26. Datalink Access
27. Client-Server Design Alternatives
Part 4. XTI: X/Open Transport Interface
28. XTI: TCP Clients
29. XTI: Name and Address Functions
30. XTI: TCP Servers
31. XTI: UDP Clients and Servers
32. XTI Options
33. Streams
34. XTI: Additional Functions
Appendix A. IPv4, IPv6, ICMPv4, ICMPv6
Appendix B. Virtual Networks
Appendix C. Debugging Techniques
Appendix D. Miscellaneous Source Code
Appendix E. Solutions to Selected Exercises
Bibliography
Index
Appendices
A. Function Prototypes
B.

[Download to continue reading...](#)

UNIX Network Programming: Networking APIs: Sockets and XTI; Volume 1 Unix Network Programming Volume 1: The S: The Sockets Networking API - Vol. 1 Unix Network Programming, Vol. 1: The Sockets Networking API, Third Edition Network Marketing Success Blueprint: Go Pro in Network Marketing: Build Your Team, Serve Others and Create the Life of Your Dreams (Network Marketing ... Scam Free Network Marketing) (Volume 1) WIN32 Network Programming: Windows(r) 95 and Windows NT Network Programming Using MFC By W. Richard Stevens - UNIX Network Programming, Volume 2: Interprocess Communications: 2nd (second) Edition Network Marketing: Network Marketing Recruiting for Facebook: How to Find People to Talk to and What to Say When You Do (MLM Recruiting, Direct Sales, Network Marketing, Home Business) Network Marketing For Introverts: Guide To Success For The Shy Network Marketer (network marketing, multi level marketing, mlm, direct sales) Network Marketing : How To Recruit Prospect Step By Step From Newbies To Professional in network marketing: network marketing, multiple marketing, MLM, ... Step from Newbies to Professional Book 5) Advanced Unix Shell Scripting: How to Reduce Your Labor and Increase Your Effectiveness Through Mastery of Unix Shell Scripting and Awk

Programming Unix Shell Programming Tools with CDROM (Unix Tools) Java: The Simple Guide to Learn Java Programming In No Time (Programming,Database, Java for dummies, coding books, java programming) (HTML,Javascript,Programming,Developers,Coding,CSS,PHP) (Volume 2) Building AS/400 Client Server Applications: Put ODBC and Client Access APIs to Work Accelerated DOM Scripting with Ajax, APIs, and Libraries (Expert's Voice) Computer Networking from LANs to WANs: Hardware, Software and Security (Networking) PHP Web Services: APIs for the Modern Web NETWORKING: Networking for Beginners Unix/Linux Survival Guide (Networking & Security) Distributed Object-Oriented Architectures: Sockets, Java RMI and CORBA Who's In Your Social Network?: Understanding the Risks Associated with Modern Media and Social Networking and How it Can Impact Your Character and Relationships

[Dmca](#)