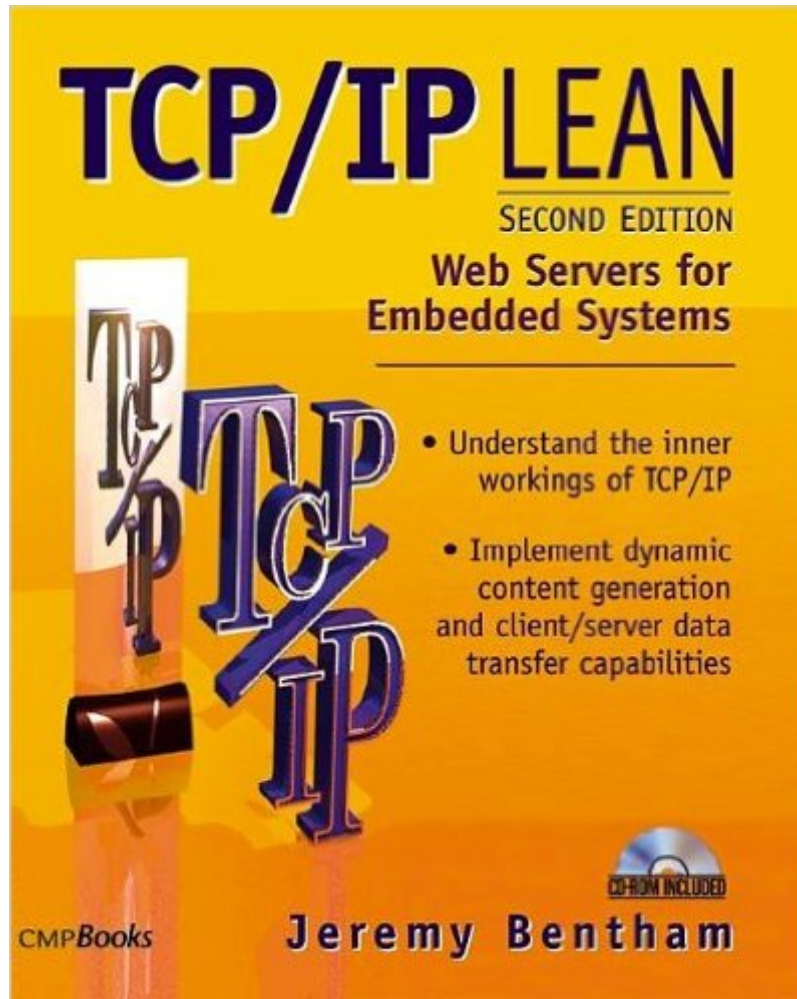# TCP/IP Lean: Web Servers For Embedded Systems (2nd Edition)

Synopsis

Internet programming demystified! This is a hands-on guide to TCP/IP networking that includes platform-independent source code to a simple TCP/IP stack - a lean version that is easier to present and efficient enough to use in embedded applications. Create

Book Information

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Customer Reviews

I would highly recommend this book to anyone who needs to implement a complete embedded webserver, but has no prior knowledge of ethernet, ip, tcp, or http. There are a few good state diagram pictures, and snippits of C source to walk through every state. It goes above and beyond a raw technical RFC explaination and mentions features and techniques common in other implementions. This book does not cover HTTP as completely as it does the lower level protocols, but it does cover it well enough to implement a small, simple embedded webserver. Combine this book with UNIX Network Programming / W. Richard Stevens. And you have an ideal combination. TCP/IP Lean works from the bottom on up (over-the-wire transmissions) and UNIX Network Programming works from the top on down (high-level API). This book also covers SLIP, Ethernet, ARP, and other protocols. If you have to implement your own TCP/IP stack, or only want to learn the guts of what SYN, FIN, ACK, and RST mean in your packet captures, then this is a well written book.This book does not describe BSD Sockets or any APIs. It really only covers the author's thin

"API" which is really a kernel interface. That is why it's best as a low-level book, as I mentioned before UNIX Network Programming is the book you want if you need a high-level view of TCP/IP and networking in general.Perhaps the most important feature of this book is that it tries to take you from nothing to having a TCP/IP stack in the most direct route possible. It does not try to insert all possible optimization, and infact it recommends ignoring various TCP/IP features for your first pass because they are rarely used. (For example, It mentions that without additional handling, the implementation presented can only handle 4.3Gb of data transfer per connection.

TCP/IP Lean: Web Servers for Embedded Systems (2nd Edition) TCP/IP Lean: Web Servers for Embedded Systems (Book and CD-Rom Edition) Intermittent Fasting: Everything You Need to Know About Intermittent Fasting For Beginner to Expert - Build Lean Muscle and Change Your Life (Lean Lifestyle, Lean Muscle, Lose Fat) TCP/IP Embedded Internet Applications (Embedded Technology) Administrating Web Servers, Security, & Maintenance Interactive Workbook Cloud Computing for Complete Beginners: Building and Scaling High-Performance Web Servers on the Cloud The Linux TCP/IP Stack: Networking for Embedded Systems (Networking Series) Linux TCP/IP Networking for Embedded Systems Analog Interfacing to Embedded Microprocessor Systems, Second Edition (Embedded Technology Series) Real-Time UML Workshop for Embedded Systems, Second Edition (Embedded Technology) Applied Control Theory for Embedded Systems (Embedded Technology) DSP Software Development Techniques for Embedded and Real-Time Systems (Embedded Technology) Design Patterns for Embedded Systems in C: An Embedded Software Engineering Toolkit Embedded Systems Architecture: A Comprehensive Guide for Engineers and Programmers (Embedded Technology) Lean in 15: 15-Minute Meals and Workouts to Keep You Lean and Healthy The Lean Toolbox: The Essential Guide to Lean Transformation Lean Six Sigma: A CASE STUDY IN PHARMACEUTICAL INDUSTRY - IMPROVEMENT OF MANUFACTURING OPERATIONS THROUGH A LEAN SIX SIGMA APPROACH. Lean for Long-Term Care and Aging Services: Lean for Long-Term Care and Aging Services Summary - Lean In: Sheryl Sandberg - Women, Work, and the Wil to Lead - A Complete Summary (Lean In: A Complete Summary - Paperback, Audiobook, Audible, Hardcover, Book, Summary, 15 for Graduates) The Power Of Intermittent Fasting: Discover Effortless Abs Diet giving you greater Mental toughness,quick Fat Loss and no Cardio, enabling Lean Muscle-Building!: Abs workout for lean belly included!