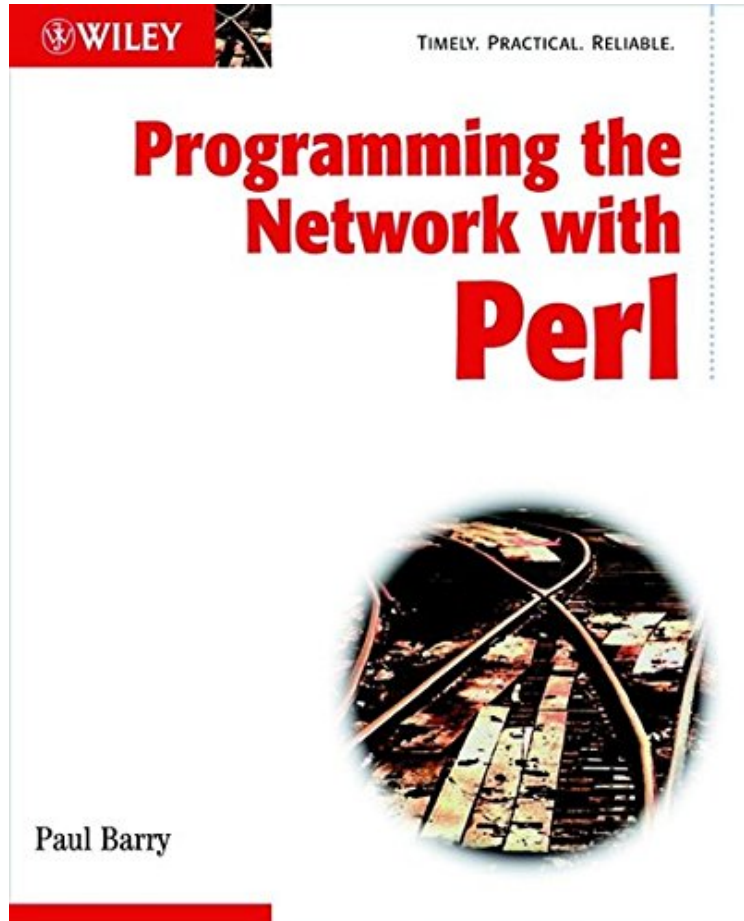


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Programming the Network with Perl

Paul Barry

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Paul Barry : Programming the Network with Perl before purchasing it in order to gage whether or not it would be worth my time, and all praised Programming the Network with Perl:

0 of 0 people found the following review helpful. Exactly what I had hoped for By A. KEITHI have a couple of other network programming books but was never satisfied with them. I'm not a network geek and needed to get some basics under my belt as I needed to do some data mining on the net for work. This book renovated my confidence in my ability to learn and to implement. I had my solution up and running pretty quickly based on the info I learned from the book. Exactly what I had hoped for. I highly recommend this one. 0 of 0 people found the following review helpful. Great reference.... By Karl Garcia This book has everything I need and I am making great use of its knowledge and examples.

After providing an introduction to the Perl programming language, this helpful guide teaches computer networking using Perl. Topics discussed include ethernet network analysis, programming standard Internet protocols, and

exploring mobile agent programming. * Each chapter provides a general discussion of the technologies under consideration, the support for programming the technologies as provided by Perl, and implementations of working examples * Covers Mobile Agent Technology, which is set to become one of the "next big things" on the Internet * Further information is supplied, including a listing of Web and print resources, programming exercises, and tips to expand the reader's understanding of the material

"Clear writing and useful examples characterise this book". (www.linuxjournal.com, 21 May 2002)From the Back CoverIt is no longer enough for today's software engineers to be able to program the computer and debug programs - the modern programmer needs to know how to program the network and debug communications. This book shows you how, using Perl. Originally created as a tool for System Administrators, the Perl Programming language has matured into a powerful, yet easy-to-use, general-purpose programming language. Widely used on the Internet, Perl is the programming language of choice when it comes to adding dynamic content to websites using the Common Gateway Interface (CGI). Its strengths - simplicity, power and adaptability - make it an excellent vehicle with which to study computer networking and to program computer networks in general. In Programming the Network with Perl, Paul Barry applies Perl to the study of traditional computer networking topics. After an introductory tutorial to the Perl programming language appropriate for the non-Perl programmer, five key computer networking topics are examined from the perspective of the software engineer using Perl. * Snooping details the creation of a successively more functional set of Ethernet Network Analysers and culminates in the development of The Network Debugger, a tool for monitoring the traffic generated by both standard and custom-built networked applications. * Sockets details how to use Perl to create custom networked applications by programming the TCP/IP transport protocols (TCP and UDP), using the Client/Server Model and the standard Berkeley Socket API. * Protocols details just how easy it is to program the HTTP (web), SMTP (e-mail), NNTP (news) and TELNET (remote login) protocols with Perl. HTML parsing is also described. * Management uses Perl to program the Simple Network Management Protocol (SNMP), the cornerstone network management technology on the modern Internet. * Mobile Agents is a presentation of one of the technologies that can be added to Perl to provide for the development of custom networked applications that can transport themselves from network device to network device while executing. Each chapter concludes with a set of Print and Web Resources, as well as suggested Exercises to support further study by the reader. The associated website provides Perl links, downloadable source code, presentation materials (in PDF format), and instructions for joining the perlnetbook discussion mailing list.