
Open Source Bibliography

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Open Source Bibliography

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Open Source Bibliography

Introduction

When we published the first O'Reilly & Associates books in 1985, we'd already been working in the computer industry for seven years. As a technical writing consulting company, we'd written manuals for hundreds of computer products. In the process, we realized that most manuals and computer books didn't reflect how people really learn about technology. So we set out to create a new kind of computer book, one that captured the over-the-shoulder learning experience of people inside the industry, written by experts whose deep knowledge came from hands-on experience.

The O'Reilly Network (www.oreillynet.com), the essential portal for developers interested in open and emerging technologies, builds not only on our book publishing experience, but also on our ten years of web publishing. With sites including xml.com, ONJava.com, www.perl.com, ONLamp.com, and macdevcenter.com, the O'Reilly Network covers important technologies in the trademark O'Reilly style—independent, in-depth, and steeped in the experience of those ahead of the technology curve.

SafariSM Tech Books OnlineSM (<http://safari.oreilly.com>), an around-the-clock online resource, brings the complete contents of hundreds of computer books—O'Reilly and “the best of the rest”—to you. You will find answers on the fly with a quick search through Safari's rich collection of technical knowledge. We've partnered with other top technical publishers to bring a treasure trove of high-end technical references to the Web. With our flexible subscription model, you pay only for the information you want and receive free full-text searches across hundreds of books. With the easy-

to-use web interface, you can customize your own online library.

We launched our conference business back in 1997, when our first annual Perl Conference brought the Perl community together for the first time. It was a smashing success, so we expanded our conferences to include other important technologies. O'Reilly conferences are truly catalytic events—they bring innovators together to shape the revolutionary ideas that spark new industries.

Our goal is to create products we ourselves would want to use. Whatever form it takes—books, conferences, or online—we want anything from O'Reilly to be useful, interesting, and truthful. We believe that there are plenty of intelligent, discriminating people in the world who value those qualities as deeply as we do.

Open source software is changing the nature and the very future of the software industry. In 2001, open source broke through as a clear choice for the enterprise. This year, Linux and Mac OS X are putting open source software on millions of new desktops, while emerging fields such as bioinformatics are creating exciting new opportunities for open source developers.

To help you figure out where and how everything fits together—and the direction in which you might want to go, we've created what we call the *Open Source Bibliography*. The collection of books described in this third edition represents what we consider to be the best resources available on open source technologies. And we didn't just select our own publications. We've carefully chosen the best two or three books on each topic, regardless of publisher. We've listened to our customers, searched the Web for user-recommended books, consulted our editors, authors, and reviewers, and talked to booksellers who specialize in technical books. We hope our research continues to provide you with a valuable tool for building your own open source library.

OPEN SOURCE

Free as in Freedom: Richard Stallman's Crusade for Free Software

O'Reilly & Associates, Inc.

By Sam Williams

ISBN 0-596-00287-4, 240 pages (Hardback)

\$22.95 US, \$35.95 CAN

March 2002

Free as in Freedom interweaves biographical snapshots of GNU project founder Richard Stallman with the political, social, and economic history of the free software movement. It examines Stallman's unique personality and how that personality has been at turns a driving force and a drawback in terms of the movement's overall success. The book documents Stallman's personal evolution from teenage misfit to prescient adult hacker to political leader and examines how that evolution has shaped the free software movement.

The Cathedral & The Bazaar

O'Reilly & Associates, Inc.

By Eric S. Raymond

ISBN 0-596-00108-8, 256 pages (Paperback)

\$16.95 US, \$24.95 CAN

February 2001

*Computer Press
Association
Best Non-Fiction
Computer Book
Award*

The Cathedral & The Bazaar is a must for anyone who cares about the future of the computer industry or the dynamics of the information economy. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success.

Open Sources: Voices from the Open Source Revolution

O'Reilly & Associates, Inc.

Edited by Chris DiBona,

Sam Ockman & Mark Stone

ISBN 1-56592-582-3, 280 pages

\$24.95 US, \$36.95 CAN

January 1999

*Linux Journal
Award Winning
Book*

A collection of insightful essays about the open source movement by the people who've led it. Includes pieces by Linus Torvalds, Eric Raymond, Larry Wall, Richard Stallman, Bob Young of Red Hat®, and many others. Linux®, Perl, Apache, GNU, Mozilla—you name it, they're all covered here. A must read.

Peer-to-Peer: Harnessing the Potential of Disruptive Technologies

Edited by Andy Oram

ISBN 0-596-00110-X, 448 pages

\$29.95 US, \$43.50 CAN

March 2001

The term “peer-to-peer” has been applied to networks that expect end users to contribute their own files, computing time, or other resources to some shared project. Even more interesting than the systems' technical underpinnings are the socially disruptive potential: in various ways they return content, choice, and control to ordinary users. This compilation represents the collected wisdom of today's peer-to-peer luminaries from Gnutella, Freenet, Jabber, and many other peer-to-peer projects. Those working to advance peer-to-peer as technology, business opportunity, and investment take us beyond the hype and offer their insights into how the technology has evolved, where it's going, and how it's changing the way we communicate and exchange information. Fraught with questions and promise, peer-to-peer is sure to remain on the computer industry's center stage for years to come.

Programming Jabber

O'Reilly & Associates, Inc.

By DJ Adams

ISBN 0-596-00202-3, 440 pages

\$39.95 US, \$61.95 CAN

December 2001

Programming Jabber offers developers a chance to learn and understand the Jabber technology and protocol from an implementer's point of view. Detailed information of each part of the Jabber protocol is introduced, explained, and discussed in the form of mini-projects, or simple and extended examples in Perl, Python, and Java. This book provides the foundation and framework for developers to hit the ground running, and is the essential book on Jabber.

Rebel Code: Linux and the Open Source Revolution

Perseus Press

By Glyn Moody

ISBN 0-73820-333-5, 336 pages

\$27.50 US, \$40.95 CAN

January 2001

Rebel Code puts Linux into historical and social contexts by tracing "free software" from its early '80s origin and takes it as far as the end of 2000. The author charts every milestone in the development of the Linux kernel and follows the progress of major free software projects.

Code and Other Laws of Cyberspace

Basic Books

By Lawrence Lessig

ISBN 0-465-03913-8

\$16.00 US, \$25.00 CAN

June 2000

Lessig explores the architecture and social systems that are changing every day and taming the Internet frontier. This book is his well-reasoned, undeniably cogent series of arguments for guiding the still-evolving regulatory processes, to ensure that we don't find ourselves stuck with a system we find objectionable.

The Future of Ideas: The Fate of the Commons in a Connected World

Random House

By Lawrence Lessig

ISBN 0-375-50578-4, 320 pages (Hardback)

\$30.00 US, \$47.00 CAN

October 2001

The Stanford law professor makes a strong case that large corporations are staging an innovation-stifling power grab while we watch idly. The changes in copyright and other forms of intellectual property protection demanded by the media and software industries have the potential to choke off publicly held material, which Lessig sees as a kind of intellectual commons. Readers who want a fair intellectual marketplace would do well to absorb the lessons in this book.

BIOINFORMATICS

Developing Bioinformatics Computer Skills

O'Reilly & Associates, Inc.

By Cynthia Gibas & Per Jambeck

ISBN 1-56592-664-1, 446 pages

\$34.95 US, \$54.95 CAN

April 2001

Developing Bioinformatics Computer Skills will help biologists, researchers, and students develop a structured approach to biological data and the computer tools they'll need to analyze it. The book covers the Unix file system, building tools and databases for bioinformatics, computational approaches to biological problems, an introduction to Perl for bioinformatics, data mining, data visualization, and tips for tailoring data analysis software to individual research needs.

Beginning Perl for Bioinformatics

O'Reilly & Associates, Inc.

By James Tisdall

ISBN 0-596-00080-4, 384 pages

\$39.95 US, \$61.95 CAN

October 2001

This book shows biologists with little or no programming experience how to use Perl, the ideal language for biological data analysis. Each chapter focuses on solving a particular problem or class of problems, so you'll finish the book with a solid understanding of Perl basics, a collection of programs for such tasks as parsing BLAST and GenBank, and the skills to tackle more advanced bioinformatics programming.

Bioinformatics: Sequence and Genome Analysis

Cold Spring Harbor Laboratory

By David W. Mount

ISBN 0-879-69608-7, 564 pages

\$95.00 US, \$148.00 CAN

March 2001

The book is written for any biologist who wants to understand methods of sequence and structure analysis and how the necessary computer programs work. Sequence alignment, structure prediction, phylogenetic and gene prediction, database searching, and genome analysis are clearly explained and amply illustrated. Based on the author's extensive experience as a molecular geneticist and bioinformaticist at the University of Arizona, this is a uniquely educational book, ideal as a laboratory reference for investigators and also as a teaching reference for graduate and undergraduate students studying this fast-changing discipline.

LINUX®

Based on a kernel created by Linus Torvalds in 1991 while he was a university student, Linux is an open source implementation of the Unix operating system. Maintained by a legion of programmers who coordinate their work over the Internet, Linux has emerged from relative obscurity to challenge mainstream operating systems such as Windows® NT and versions of Unix from IBM, Sun, and HP. Linux is widely used as a powerful platform for software development using GNU tools, the X Window System, and programming toolkits such as GTK+ and Qt. It is also a powerful server platform ideally suited to the tasks of file transfer, email processing, and the serving of web documents.

USING LINUX

Running Linux, 4th Edition

O'Reilly & Associates, Inc.

*By Matt Welsh, Matthias Kalle Dalheimer, Terry Dawson
& Lar Kaufman*

ISBN 0-596-00272-6, 750 pages (est.)

\$44.95 US, \$69.95 CAN

September 2002 (est.)

After six years, this classic is still recommended by knowledgeable Linux users over any other guide. Everything you need for understanding, installing, and using the Linux operating system is explained in detail. In the new fourth edition, *Running Linux* delves deeper into installation, configuring the windowing system, system administration, and networking. Several new topics about laptops, cameras and scanners, sound and multimedia, ADSL, the GNOME desktop, MySQL, PHP, and configuring an NFS server are included.

Learning Red Hat Linux, 2nd Edition

O'Reilly & Associates, Inc.

By Bill McCarty

ISBN 0-596-00071-5, 368 pages, Includes 2 CD-ROMs

\$34.95 US, \$54.95 CAN

January 2002

This second edition of *Learning Red Hat Linux* is an excellent introduction to one of the most popular distributions of Linux in the U.S. It has been upgraded to cover installation and configuration of Red Hat Version 7.2. Because the book is written specifically for the enclosed CDs, the reader needs nothing else to get started with their new Linux system. This is the book for first-time Linux users who want to learn how to use Red Hat Linux on their personal computers, or convert existing systems over to Linux.

Red Hat Linux 7.2 Unleashed

Sams

By Bill Ball

ISBN 0-672-32282-X, 1000 pages

\$49.99 US, \$77.99 CAN

December 2001

With the advent of the new 2.4-series kernels, a new XFree86 architecture and distribution, and advances soon slated to hit the KDE and GNOME markets, the time is ripe to craft the definitive and classic intermediate to advanced work covering Red Hat Linux. *Red Hat Linux 7.2 Unleashed* does not incorporate any previous material. All chapters concentrate on Red Hat Linux software and tools and more specifically, those software packages included with Red Hat Linux.

Red Hat Linux 7.2 Bible Unlimited Edition

Hungry Minds

By Christopher Negus

ISBN 0-764-53630-3, 950 pages

\$49.99 US, \$77.99 CAN

November 2001

Whether you're a Linux newbie looking for goof-proof installation tips or a Red Hat veteran who wants the scoop on the latest networking, desktop, and server enhancements, this authoritative guide delivers all the information you need to make the most of Red Hat 7.2. From customizing a desktop system to troubleshooting a network or setting up a web server, it's the only reference you'll ever need to become a Red Hat Linux pro.

Linux in a Nutshell, 3rd Edition

O'Reilly & Associates, Inc.

By Ellen Siever, Stephen Spainhour,

Stephen Figgins & Jessica P. Hekman

ISBN 0-596-00025-1, 812 pages

\$34.95 US, \$52.95 CAN

August 2000

Linux in a Nutshell covers the core commands available on common Linux distributions. This isn't a scaled-down quick reference of common commands, but a complete reference to all user programming, administration, and networking commands with options, and a wide range of GNU tools. It covers LILO and related boot options; the Emacs and *vi* editors; the *sed* and *gawk* commands; and software development and system administration commands. New material in the third edition includes common configuration tasks for GNOME and KDE desktops and the *fvwm2* window manager, the *dpkg* Debian package manager, an expanded investigation of the *rpm* Red Hat package manager and CVS, and many new commands.

LINUX ADMINISTRATION

The Linux Web Server CD Bookshelf

O'Reilly & Associates, Inc.

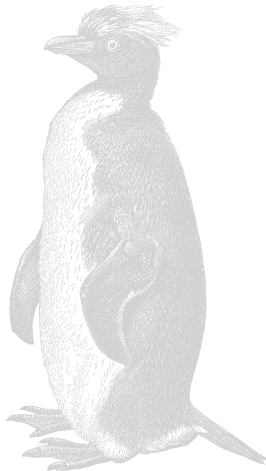
By O'Reilly & Associates, Inc.

ISBN 0-596-00208-4, 812 pages, Features CD-ROM

\$79.95 US, \$123.95 CAN

August 2001

The Linux Web Server CD Bookshelf delivers the information power of six complete O'Reilly Animal Guides covering the best of the open source web platform. We've included unabridged versions of *Running Linux*, 3rd Edition; *Linux in a Nutshell*, 3rd Edition; *Apache: The Definitive Guide*, 2nd Edition; *MySQL & mSQL*; *Programming the Perl DBI*; and *CGI Programming with Perl*, 2nd Edition. As a bonus, you also get the paperback version of *Linux in a Nutshell*. This confluence of open source technologies represents the platform of choice for developing and deploying high performance web applications. Apache, MySQL, and Perl/Python/PHP are the tools that make Linux a great applications development platform, especially for robust web applications that run on Linux servers.



Essential System Administration, 3rd Edition

O'Reilly & Associates, Inc.

By Eelen Frisch

ISBN 0-596-00343-9, 1104 pages (est.)

\$49.95 US, \$77.95 CAN

August 2002 (est.)

This is the definitive practical guide for Unix system administration, covering all the fundamental and essential tasks required to run such divergent Unix systems as Solaris, Linux, AIX, IRIX, BSD, and more. Beginners and experienced administrators alike will quickly be able to apply its principles and advice to solve everyday problems. Along with the latest information on different Unix platforms, this new edition of *Essential System Administration* includes a significantly beefed up chapter on Electronic Mail, coverage of CUPS in the printing chapter, a good discussion of PAM in the chapter on user management, and valuable information on using LDAP as a store for user information. As the foundation of O'Reilly's entire system administration series, this book is a must-have for any administrator—or user—of a Unix system.

Building Secure Servers with Linux

O'Reilly & Associates, Inc.

By Mick Bauer

ISBN 0-596-00217-3, 448 pages (est.)

\$44.95 US, \$69.95 CAN

October 2002 (est.)

Almost every Linux system is on the Internet, and therefore needs protection against the myriad attacks that Internet sites experience. This book is directed toward the most common use of Linux: as a hub offering services to an organization or the larger Internet. The book does not cover firewalls, but covers the more common situation where an organization protects its hub using other systems as firewalls, often proprietary firewalls. This book is about how to secure your critical Linux server within the firewall.

Linux Administration Handbook

Prentice Hall

By Evi Nemeth, Garth Snyder, Trent R. Hein

ISBN 0-130-08466-2, 850 pages

\$49.99 US, \$77.99 CAN

March 2002

As the deployment of Linux systems in production environments has accelerated, Linux administrators have longed for a book that addresses the challenges of this complex and exciting frontier. *Linux Administration Handbook* was written with this audience in mind. This book serves both as a valuable tutorial for the novice administrator and as a trustworthy reference for the seasoned professional. Using the practical approach of their highly regarded *UNIX System Administration Handbook*, the authors describe every aspect of Linux system administration and cover the following major Linux distributions: Red Hat® Linux, SuSE Linux, Debian GNU/Linux.

Linux Network Administrator's Guide, 2nd Edition

O'Reilly & Associates, Inc.

By Olaf Kirch & Terry Dawson

ISBN 1-56592-400-2, 450 pages

\$34.95 US, \$51.95 CAN

July 2000

Linux Network Administrator's Guide, one of the most successful books to come from the Linux Documentation Project, touches on all the essential networking software included with the operating system, plus some hardware considerations. Fully updated to reflect the 2.2 kernel, this impressive, comprehensive introduction to networking on Linux now covers firewalls—including the use of ipchains and Netfilter—masquerading, and accounting, including new information on Novell support and INN (news administration). This book is also available online for free, under the Open Content License (OCL).

LPI Linux Certification in a Nutshell

O'Reilly & Associates, Inc.

By Jeffrey Dean

ISBN 1-56592-748-6, 576 pages

\$39.95 US, \$59.95 CAN

June 2001

LPI Linux Certification in a Nutshell will prepare the reader for the LPI General Linux Exams (101 and 102). This book is separated into two parts with each part covering its respective exam. Both parts include a summary of each exam, a Highlighter's Index, labs, suggested exercises, and practice exams. It is geared toward junior, rather than more senior system administrators who want to be certified Linux administrators. The book includes introductory material that explains the details of the Linux operating system in a clear and easy-to-understand way.

Using Samba

O'Reilly & Associates, Inc.

By Peter Kelly, Perry Donham & David Collier-Brown

ISBN 1-56592-449-5, 416 pages, Includes CD-ROM

\$34.95 US, \$51.95 CAN

November 1999

This book, now officially adopted by the Samba team, is published under the Open Content License. It is a comprehensive guide to Samba administration, including such recent additions as integration with Windows® NT domains and the SWAT graphic configuration tool. Troubleshooting, security, connectivity, performance, and logging are thoroughly covered with examples. Samba is a cross-platform triumph that turns a Linux system into a file/print server for Microsoft Windows network clients.

Samba Pocket Reference

O'Reilly & Associates, Inc.

By Robert Eckstein, David Collier-Brown & Peter Kelly

ISBN 0-596-00099-5, 80 pages

\$9.95 US, \$14.95 CAN

April 2001

This book describes all the options for Samba's configuration file in quick-reference format. It also contains command-line options and related information on the use of the Samba daemons and the utilities in the Samba distribution. System administrators who are familiar with Samba and want a handy reminder of how to administer it without the bulk of a full-sized book will find this pocket reference invaluable.

Managing RAID on Linux

O'Reilly & Associates, Inc.

By Derek Vadala

ISBN 1-56592-730-3, 300 pages (est.)

\$39.95 US, \$61.95 CAN

October 2002 (est.)

With *Managing RAID on Linux*, system administrators will learn how to install Linux RAID software or a Linux support hardware RAID card. The book then teaches you how to build an array and install an optional high-performance file system. Through all of this, system administrators will learn about different types of RAID-associated technologies, and how to choose the best ones to fit their needs. There's also a chapter on Linux file systems that many will find useful. Linux offers a cost effective, open source way to handle RAID, and this timely book shows system administrators how to take advantage of these two technologies.

Linux Firewalls, 2nd Edition

New Riders Publishing

By Robert Ziegler

ISBN 0-735-71099-6, 600 pages

\$49.99 US, \$77.99 CAN

October 2001

An Internet-connected Linux machine is in a high-risk situation. This book details security steps that a home or small-to-mid-size, non-enterprise business might take to protect it from potential remote attackers. As with the first edition, this book will provide a description of the need for security measures and solutions built upon the most up-to-date technology available. The content for the second edition has been updated to cover the 2.4 kernel, and additional chapters on VPNs, SSH, and Tripwires have been added.

Real World Linux Security

Prentice Hall

By Bob Toxen

ISBN 0-130-28187-5, 730 pages

\$44.99 US, \$77.99 CAN

November 2000

This book will aid Linux and Unix system administrators in making their systems and networks as secure as possible from intruders and improper action of the users. It covers both quick and simple solutions, and some more involved solutions to eliminate every possible vulnerability. The book is designed to be used by both the veteran of many years, as well as the new system administrator. There are many useful details here, both for the person with a single Linux box at home and for those supporting multinational corporations and large government agencies with very large networks with multiple types of operating systems.

Hacking Linux Exposed

McGraw Hill Professional Publishing

By Brian Hatch, James B Lee, George Kurtz

ISBN 0-072-12773-2, 566 pages

\$39.99 US, \$61.99 CAN

March 2001

Tighten holes and maintain security on your Linux system. This book shows how to defend Linux systems from the latest security threats, by taking the reader into the mind of the computer hacker. Readers will learn how to avoid all of the nasty tricks hackers play, such as Trojan horses, backdoors, password cracking, IP spoofing, session hijacking, and trail hiding. Also shows how to use special methods to prevent security mishaps.

PROGRAMMING AND DEVELOPMENT

Creating Applications with Mozilla

O'Reilly & Associates, Inc.

By David Boswell, Brian King, Ian Oeschger, Pete Collins & Eric Murphy

ISBN 0-596-00052-9, 400 pages (est.)

\$39.95 US, \$61.95 CAN

September 2002 (est.)

This book, covering Mozilla 1.0, is designed for anyone interested in learning more about what Mozilla really is and how to create applications using Mozilla technologies. Already applications such as Netscape 6, ActiveState's Komodo, Jabberzilla, and many others have taken advantage of Mozilla's unique abilities as a development framework. It focuses on the important new technology of building stand-alone and integrated web applications and includes comprehensive information on the XUL scripting language.

Linux Device Drivers, 2nd Edition

O'Reilly & Associates, Inc.

By Alessandro Rubini & Jonathan Corbet

ISBN 0-596-00008-1, 450 pages

\$39.95 US, \$59.95 CAN

July 2001

Linux Device Drivers is for anyone who wants to support computer peripherals under the Linux operating system or develop new hardware to run under Linux. For those curious about how an operating system does its job, this book yields insights into address spaces, asynchronous events, and I/O. It also focuses on how to maximize portability among hardware platforms. Completely updated to include new calls and techniques introduced in Versions 2.2 and 2.4 of the Linux Kernel.

Understanding the Linux Kernel

O'Reilly & Associates, Inc.

By Daniel P. Bovet & Marco Cesati

ISBN 0-596-00002-2, 650 pages

\$39.95 US, \$57.95 CAN

October 2000

Understanding the Linux Kernel helps readers understand how Linux performs best and how it meets the challenge of different environments. The authors introduce each topic by explaining its importance and by showing how kernel operations relate to the utilities that are familiar to Unix programmers and users. This book is a guided tour to the Linux kernel, focusing on its key functions of task management, memory management, and file systems. An in-depth introduction for users of the C programming language is included. It thoroughly explains why things are implemented the way they are, including some contrasts with earlier ways of solving the problem.

CVS Pocket Reference

O'Reilly & Associates, Inc.

By Gregor N. Purdy

ISBN 0-596-00003-0, 80 pages

\$9.95 US, \$13.95 CAN

September 2000

CVS, the Concurrent Version System, is an open source, source code management tool, designed to allow multiple users to work on the same file at the same time, using a shared directory. Under CVS, multiple users are allowed to check out files from a directory tree, make changes, and then commit those changes back into the directory. The *CVS Pocket Reference* is a quick-reference guide to help administrators and users set up and manage source code development. This small book, the ultimate companion for open source developers, covers CVS Version 1.10.8 and delivers the core concepts of version control, along with a complete command reference and guide to configuration and repository set up.

Programming with GNU Software

O'Reilly & Associates, Inc.

By Mike Loukides & Andy Oram

ISBN 1-56592-112-7, 260 pages, Includes CD-ROM

\$39.95 US, \$57.95 CAN

December 1996

This book is a great introduction to the GNU tools (*gcc*, C and C++ libraries, the *gdb* debugger, and so on) used for programming in the Linux environment. The CD-ROM contains sources and binaries for the most popular GNU tools, including their C/C++ compiler.

Linux Application Development

Addison-Wesley Publishing Co.

By Michael K. Johnson & Erik W. Troan

ISBN 0-20130-821-5, 538 pages

\$45.95 US, \$64.95 CAN

May 1998

Written by two senior programmers at Red Hat, this is a great introduction to the principles and practice of Linux programming. Divided into four parts, this book covers an introduction to Linux; the development environment; a description of the interface to the kernel and to the core system libraries; and a description of important development libraries with interfaces more independent of the kernel.

Beginning Linux Programming, 2nd Edition

Wrox Press Inc.

By Neil Matthew & Richard Stones

ISBN 1-86100-297-1, 928 pages

\$39.99 US, \$59.95 CAN

September 1999

Despite its title, this book is not aimed at novices; it assumes you are a competent C programmer but are new to Linux. Fundamental concepts are covered as well as advanced topics such as processes, pipes, semaphores, and sockets. Completely updated, this revised edition covers programming in Perl, an introduction to writing applications for the GNOME desktop, and a new chapter about writing device drivers.

Advanced Linux Programming

New Riders Publishing

By Mark Mitchell, Jeffrey Oldham & Alex Samuel

ISBN 0-735-71043-0, 368 pages

\$45.00 US, \$70.00 CAN

June 2001

The first part of the book covers generic Unix system services. This will be of use even to advanced programmers who have worked with other Linux systems since it will cover Linux specific details and differences. The second section covers material that is entirely Linux specific. These are truly advanced topics, and are the techniques that the gurus use to build great applications. While this book will focus mostly on the Application Programming Interface (API) provided by the Linux kernel and the C library, a preliminary introduction to the development tools available will enable all who purchase the book to make immediate use of Linux.

Embedded Linux

Addison Wesley Professional

By Craig Hollabaugh

ISBN 0-672-32226-9, 432 pages

\$49.99 US, \$77.99 CAN

March 2002

Embedded Linux covers the development and implementation of interfacing applications on an embedded Linux platform. It includes a comprehensive discussion of platform selection, cross-compilation, kernel compilation, root file system creation, booting, remote debugging, real world interfacing, application control, data collection, archiving, and presentation. This book includes serial, parallel, memory I/O, USB, and interrupt-driven hardware designs using x86-, StrongARM®, and PowerPC®-based target boards. In addition, you will find simple device driver module code that connects external devices to the kernel, and network integration code that connects embedded Linux field devices to a centralized control center.

Open Source Development with CVS

The Coriolis Group

By Karl Franz Fogel

ISBN 1-57610-490-7, 316 pages

\$39.99 US, \$58.99 CAN

October 1999

This book describes what open source software is, why it has become so successful, and where it is going in the future. CVS (an open source tool that allows a number of people to work on the same document at the same time) is covered in detail, as well as the GNU license, software design and development, participant communication, testing procedures, releasing the software, administration, and troubleshooting.

Programming with Qt, 2nd Edition

O'Reilly & Associates, Inc.

By Matthias Kalle Dalheimer

ISBN 0-596-00064-2, 550 pages

\$39.95 US, \$59.95 CAN

January 2002

The second edition of *Programming Qt* has been completely updated for Qt Version 3 and includes entirely new information on rich text, Unicode/double byte characters, internationalization, and network programming.

Although programming with Qt is straightforward and natural once you get the hang of it, the learning curve can be steep. Beginners often find the reference documentation isn't enough. That's where *Programming with Qt* comes in. You'll learn how to program in Qt as the book guides you through the steps of writing a simple paint application. This book examines every GUI element in Qt, demonstrating when and how to use each to make full use of the toolkit. Exercises with completely worked out answers reinforce your understanding. Even seasoned Qt programmers can learn from the material on advanced 2D transformations, drag-and-drop, and writing custom image file filters.

GIMP Pocket Reference

O'Reilly & Associates, Inc.

By Sven Neumann

ISBN 1-56592-731-1, 112 pages

\$9.95 US, \$14.95 CAN

September 2000

The *GIMP Pocket Reference* explains the numerous features of the GNU Image Manipulation Program and is the essential guide for designers working in a Linux/Unix environment. Based on the menu structure of the program, this handy reference covers the GIMP Version 1.2 and explains the function of every menu item, in addition to offering tips for everyday usage. The appendix explains important terms of image manipulation and contains a table of file formats supported by the GIMP.

DATABASES

MySQL Cookbook

O'Reilly & Associates, Inc.

By Paul DuBois

ISBN 0-596-00145-2, 500 pages (est.)

\$39.95 US, \$61.95 CAN

October 2002 (est.)

With a comprehensive collection of practical examples and solutions to common problems, *MySQL Cookbook* is ideal for anyone programming in MySQL. Developers will find hundreds of tried-and-true “recipes,” covering various applications, which they can use with this database. Like the bestselling *Perl Cookbook*, this book covers a lot of ground, offering programmers short, focused pieces of code and a toolbox of worked-out examples so they don't have to start from scratch. Several language APIs are available for use in multiple scenarios and situations. The content has been designed to engage the reader in the process of seeing how recipes work, as well as providing an understanding of MySQL that can be applied to completely new applications and projects.

Managing & Using MySQL, 2nd Edition

O'Reilly & Associates, Inc.

By George Reese, Randy Jay Yarger & Tim King

ISBN 0-596-00211-4, 442 pages

\$39.95 US, \$61.95 CAN

April 2002

This edition retains the best features of the first edition, while adding the latest on MySQL and the relevant programming language interfaces, with more complete reference information. The administration section is greatly enhanced; the programming language chapters have been updated—in particular, the Perl and PHP chapters. New additions include chapters on security and extending MySQL, and a system tables reference. This new edition covers Version 4.01 and contains detailed programming information for the main languages used with MySQL: Java, Perl, Python, PHP, C, and C++.

Web Database Applications with PHP & MySQL

O'Reilly & Associates, Inc.

By Hugh E. Williams & David Lane

ISBN 0-596-00041-3, 582 pages

\$44.95 US, \$69.95 CAN

March 2002

Web Database Applications with PHP & MySQL offers web developers a mixture of theoretical and practical information on creating web database applications. Using PHP and MySQL, two open source technologies that are often combined to develop web applications, the book offers detailed information on designing relational databases and on web application architecture, both of which will be useful to readers who have never dealt with these issues before. The book also introduces Hugh and Dave's Online Wine Store, a complete (but fictional) online retail site implemented using PHP and MySQL.

MySQL Reference Manual

O'Reilly & Associates, Inc.

By Michael "Monty" Widenius, David Axmark & MySQL AB

ISBN 0-596-00265-3, 800 pages (est.)

\$39.95 US, \$61.95 CAN

June 2002

This highly regarded and comprehensive reference manual comes directly from the members of the MySQL team and covers Versions 3.23 and 4.0. The book covers issues at all stages in MySQL use, from installation problems through performance tuning. It offers a great deal of advanced information, including suggested uses of privileges to enhance security, many performance tips, and a sophisticated guide to error recovery. It also offers a thorough comparison of MySQL with SQL standards and other databases.

PHP & MySQL Web Development

Sams

By Luke Welling & Laura Thomson

ISBN 0-672-31784-2, 896 pages

\$49.99 US, \$77.99 CAN

March 2001

PHP & MySQL Web Development teaches the reader to develop dynamic, secure e-commerce web sites and web applications. The book shows how to integrate and implement these technologies by following real-world examples and working sample projects. It also covers the related technologies needed to build a commercial web site such as SSL, shopping carts, and payment systems. The CD includes a Linux distribution, MySQL, PHP4, and utilities for the projects and code listings.

Practical PostgreSQL

O'Reilly & Associates, Inc.

By John C. Worsley & Joshua D. Drake

ISBN 1-56592-846-6, 636 pages, Includes CD-ROM

\$44.95 US, \$67.95 CAN

January 2002

Arguably the most capable of all the open source databases, PostgreSQL is an object-relational database management system that—until now—lacked comprehensive, easy-to-use documentation. *Practical PostgreSQL* is a fast-paced guide that shows you how to get PostgreSQL installed, configured, and running. This comprehensive book delves into the many advanced features of the PostgreSQL Application Server, LXP, including the use of SQL within PostgreSQL, and also covers basic PostgreSQL database administration.

PostgreSQL Developer's Handbook

Sams

By Ewald Geschwinde & Hans-Juergen Schoenig

ISBN 0-672-32260-9, 768 pages

\$44.99 US, \$67.99 CAN

December 2001

PostgreSQL Developer's Handbook provides a complete overview of the PostgreSQL database server and extensive coverage of its core features, including object orientation, PL/pgSQL, and the most important programming interfaces. The authors introduce the reader to the language and syntax of PostgreSQL and then move quickly into sophisticated programming topics. Readers will learn how to program efficient date calculations, to integrate PostgreSQL into the Microsoft® Office environment, and how to build dynamic Flash web sites using PostgreSQL.

MySQL

New Riders Publishing

By Paul DuBois

ISBN 0-73570-921-1, 800 pages

\$49.99 US, \$70.99 CAN

December 1999

This book provides a comprehensive guide to MySQL, one of the most popular relational database systems. Included are two sample databases that are used to show how to solve the kinds of problems you are likely to encounter. Also covered are ways to integrate MySQL efficiently with third-party tools, help with writing programs that access MySQL databases, a comprehensive set of references to column types, operators, functions, SQL syntax, MySQL programming, C API, Perl, and more.

LINUX / UNIX UTILITIES

Unix doesn't have to be "hard" anymore. Unix installations and the graphical desktops are almost as easy to install and configure as Windows—and usually more secure, more interesting, with access to much more free software and assistance. We're seeing a lot of interest in personal computers that are running variations of Unix, such as Linux and Darwin. There are aspects to Linux and Darwin that are totally unique, such as software installation and packaging, and security. We're also seeing new Unix users, ones that don't necessarily fit the older Unix stereotypes. Unix itself has metamorphosed into something new and exciting with the advent of Darwin and the growing popularity of Linux. We talk about generations of technology, but there's a core of Unix that has and continues to be very stable. However, this stability doesn't inhibit innovation—it just provides a nice, unmoving platform from which to work.

Unix Power Tools, 3rd Edition

O'Reilly & Associates, Inc.

By Shelley Powers, Jerry Peek, Tim O'Reilly & Mike Loukides

ISBN 0-596-00330-7, 1512 pages (est.)

\$69.95 US, \$108.95 CAN

October 2002

O'Reilly's *Unix Power Tools* stands alone in its genre of providing tips and tools for Unix users. In the first major update since 1977, this bestselling Unix title has been expanded to cover Linux-specific topics, Darwin, and BSD. It includes new chapters on security with a focus on file security, the secure shell, and firewalls and software installation issues. Also new are articles on Samba, Citrix, VNC, the z shell, and Perl.

sed & awk Pocket Reference, 2nd Edition

O'Reilly & Associates, Inc.

By Arnold Robbins

ISBN 0-596-00352-8, 64 pages (est.)

\$12.95 US, \$20.95 CAN

June 2002

This handy little book is an indispensable reference to information presented in our larger volumes, *sed & awk*, 2nd Edition and *Effective awk Programming*. A perfect pocket-sized guide, *sed & awk Pocket Reference* offers a concise summary of regular expressions and pattern matching, and summaries of *sed* and *awk*. The book emphasizes the kinds of practical problems that *sed* and *awk* can help users solve, with many example scripts and programs. Also included is a summary of *sed* and *awk*'s functions and commands, with expanded coverage of TCP/IP networking and internationalization with *gawk*.

Effective awk Programming, 3rd Edition

O'Reilly & Associates, Inc.

By Arnold Robbins

ISBN 0-596-00070-7, 456 pages

\$39.95 US, \$59.95 CAN

June 2001

At this date, there is no more up-to-date coverage of the POSIX standard for *awk* available anywhere than *Effective awk Programming*, with its complete delineation of the *awk* 3.1 language. Author Arnold Robbins clearly distinguishes standard *awk* features from GNU *awk*-specific features, shines light on many of the “dark corners” of the language, and devotes two full chapters to example programs. Included is a summary of how the *awk* language evolved.

sed & awk, 2nd Edition

O'Reilly & Associates, Inc.

By Dale Dougherty & Arnold Robbins

ISBN 1-56592-225-5, 432 pages

\$34.95 US, \$51.95 CAN

March 1997

sed & *awk* documents two text-processing programs that are mainstays of the Unix programmer's toolbox. The book lays a foundation for both programs by describing how they are used and by introducing the fundamental concepts of regular expressions and text matching. This second edition covers the *sed* and *awk* programs as they are mandated by the POSIX standard, and includes a discussion of the GNU versions of both programs, which have extensions beyond their Unix counterparts.

Learning the vi Editor, 6th Edition

O'Reilly & Associates, Inc.

By Linda Lamb & Arnold Robbins

ISBN 1-56592-426-6, 348 pages

\$29.95 US, \$43.95 CAN

November 1998

This edition is a complete guide to text editing with *vi*. Early chapters cover the basics; later chapters explain more advanced editing tools, such as *ex* commands and global search and replacement, as well as multiscreen editing. An easy-to-use command summary is included at the end of each appropriate chapter. This sixth edition also covers popular *vi* clones such as *vim*, *elvis*, and *vile*.

vi Editor Pocket Reference

O'Reilly & Associates, Inc.

By Arnold Robbins

ISBN 1-56592-497-5, 72 pages

\$9.95 US, \$14.95 CAN

January 1999

The *vi Editor Pocket Reference* is a companion volume to O'Reilly's updated sixth edition of *Learning the vi Editor*. This small book is a handy reference guide to the information in the larger volume, presenting movement and editing commands, the command-line options, and other elements of the *vi* editor in an easy-to-use tabular format.

Using csh & tcsh

O'Reilly & Associates, Inc.

By Paul DuBois

ISBN 1-56592-132-1, 242 pages

\$29.95 US, \$43.95 CAN

August 1995

csh is the standard shell (command line) on Berkeley Unix systems and from these has spread to virtually all other versions of Unix and Linux. *tcsh* is an enhanced version that's freely available and highly recommended. *Using csh & tcsh* describes from the beginning how to use these shells interactively to get your work done faster with less typing.

Linux System Commands

IDG Worldwide Books, Inc.

By Patrick Volkerding & Kevin Reichard

ISBN 0-76454-699-4, 550 pages

\$19.99 US, \$29.99 CAN

April 2000

Authors Patrick Volkerding, creator of Slackware, and Linux guru Kevin Reichard provide users with a one-stop reference to the main commands of all major distributions of Linux cross-referenced by type, DOS equivalent, and descriptive function. Up-to-date coverage of the GNOME and KDE GUIs and the 2.2. kernel, make this a must-have tool for administrators and programmers alike.

Learning the Korn Shell, 2nd Edition

O'Reilly & Associates, Inc.

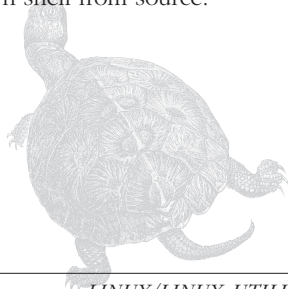
By Bill Rosenblatt & Arnold Robbins

ISBN 0-596-00195-9, 432 pages

\$34.95 US, \$54.95 CAN

April 2002

Learning the Korn Shell is the key to gaining control of the Korn shell and becoming adept at using it as an interactive command and scripting language. Readers will learn how to write many applications more easily and quickly than with other high-level languages. A solid offering for many years, this new edition is the most up-to-date reference on *ksb* available. This book also includes comparisons between the features of the Korn shell and other shells, including the 1988 Korn shell, the POSIX shell, and *bash*, the GNU Bourne-Again shell, and provides instructions for downloading and building the Korn shell from source.



Learning the bash Shell, 2nd Edition

O'Reilly & Associates, Inc.

By Cameron Newham & Bill Rosenblatt

ISBN 1-56592-347-2, 336 pages

\$29.95 US, \$42.95 CAN

January 1998

bash, the Free Software Foundation's "Bourne Again Shell," is the default shell for Linux, as well as a replacement for the standard Unix Bourne Shell. If you are new to shell programming, *Learning the bash Shell* is an excellent introduction, covering everything from the most basic to the most advanced features. If you've been writing shell scripts for years, it's a great way to learn more about what the *bash* shell offers. This second edition covers all of the features of *bash* Version 2.0, while still applying to *bash* Version 1.x. New features include one-dimensional arrays, parameter expansion, and more pattern-matching operations.

Learning GNU Emacs, 2nd Edition

O'Reilly & Associates, Inc.

By Debra Cameron, Bill Rosenblatt & Eric Raymond

ISBN 1-56592-152-6, 560 pages

\$29.95 US, \$42.95 CAN

September 1996

GNU Emacs is the most popular and widespread of the Emacs family of editors. It is also the most powerful and flexible. This book tells you how to get started with the GNU Emacs editor. It takes you from basic Emacs usage (simple text editing) to moderately complicated customization and programming. The book is aimed at new Emacs users, whether they are programmers or not. It is also useful for readers switching from other Emacs implementations to GNU Emacs and includes a quick-reference card.

GNU Emacs Pocket Reference

O'Reilly & Associates, Inc.

By Debra Cameron

ISBN 1-56592-496-7, 64 pages

\$9.95 US, \$14.95 CAN

November 1998

The *GNU Emacs Pocket Reference* is a companion volume to O'Reilly's *Learning GNU Emacs*. This small book, covering Emacs Version 20, is a handy reference guide to the basic elements of this powerful editor, presenting the Emacs commands in an easy-to-use tabular format.

System Performance Tuning, 2nd Edition

O'Reilly & Associates, Inc.

By Gian-Paolo D. Musumeci & Mike Loukides

ISBN 0-596-00284-X, 350 pages

\$39.95 US, \$59.95 CAN

February 2002

System Performance Tuning covers two distinct areas: performance tuning, or the art of increasing performance for a specific application, and capacity planning, or deciding what hardware best fulfills a given role. Underpinning both subjects is the science of computer architecture. This book focuses on the operating system, the underlying hardware, and their interactions. For system administrators who want a hands-on introduction to system performance, this is the book to recommend.

SCRIPTING LANGUAGES

As the World Wide Web has grown in size, so has the use of scripting languages such as Perl, Python, PHP, and Tcl. Initially, they were designed as “glue” to connect separate components in a large software application. Usually, the components were written in more “substantial” programming languages such as C. The use of scripting languages has evolved, and now they're used for a variety of purposes, such as managing web sites and databases.

PERL

With more than a million dedicated programmers, Perl is proving to be the best language for the latest trends in computing and business, including network programming and the ability to create and manage web sites. It's a language that every Unix system administrator and serious web developer needs to know. In the past few years, Perl has found its way into complex web applications of multinational banks, the U.S. Federal Reserve, and hundreds of large corporations.

Perl in a Nutshell, 2nd Edition

O'Reilly & Associates, Inc.

By Nathan Patwardhan, Ellen Siever & Stephen Spinhour

ISBN 0-596-00241-6, 800 pages (est.)

\$39.95 US, \$61.95 CAN

June 2002 (est.)

In this second edition of *Perl in a Nutshell*, the book has been expanded to cover Perl 5.8, including information on Unicode processing in Perl, new functions and modules that have been added to the core language, and up-to-date details on running Perl on the Win32 platform. In addition, the book covers the Perl modules for some of the recent technologies that Perl programmers are working in today, such as XML and SOAP.



Mastering Regular Expressions, 2nd Edition

O'Reilly & Associates, Inc.

By Jeffrey Friedl

ISBN 0-596-00289-0, 400 pages (est.)

\$39.95 US, \$61.95 CAN

July 2002 (est.)

Written by an expert in the topic, this book shows programmers not only how to use regular expressions, but how to think in regular expressions. Updated with a wealth of new material, the second edition explains how to use regular expressions to code complex and subtle text processing that you never imagined could be automated. Included are such key topics as avoiding common errors and optimizing expressions. The book covers many new features added to Perl—a language well endowed with regular expressions—as well as other languages such as Java, Python, and Visual Basic that include support for this powerful tool.

Perl & XML

O'Reilly & Associates, Inc.

By Erik T. Ray & Jason McIntosh

ISBN 0-596-00205-X, 216 pages

\$34.95 US, \$54.95 CAN

April 2002

Perl & XML is aimed at Perl programmers who need to work with XML documents and data. The book covers a key cross section of the many free modules for XML processing in Perl. This book is more than just a listing of modules—it gives a complete, comprehensive tour of the landscape of Perl and XML, making sense of the myriad modules, terminology, and techniques. The last two chapters give complete examples of XML applications, pulling together all the tools at your disposal. This book gives you a solid grounding in XML processing with Perl.

Perl Pocket Reference, 4th Edition

O'Reilly & Associates, Inc.

By Johan Vromans

ISBN 0-596-00374-9, 112 pages (est.)

\$12.95 US, \$20.95 CAN

July 2002 (est.)

The fourth edition of our popular *Perl Pocket Reference* now covers the latest release—Perl 5.8—with a summary of Perl syntax rules, a complete list of operators, built-in functions, and standard library modules. All with brief, easy-to-find descriptions. You'll find the newest Perl features, such as enhanced regular expressions, multithreading, the Perl compiler, and Unicode support. *Perl Pocket Reference* provides a complete overview of Perl, packed into a convenient pocket-sized guide that's easy to take anywhere.

Learning Perl, 3rd Edition

O'Reilly & Associates, Inc.

By Randal L. Schwartz & Tom Phoenix

ISBN 0-596-00132-0, 300 pages

\$34.95 US, \$52.95 CAN

August 2001

This 3rd Edition of *Learning Perl* has been rewritten from the ground up to reflect the needs of programmers learning Perl today. With years of success teaching Perl as consultants, the authors have re-engineered the book to better match the pace and scope appropriate for readers trying to get started with Perl, while retaining the detailed discussion, thorough examples, and eclectic wit for which the book is famous. In addition to the update for Perl 5.6, this edition includes an expanded and more gently-paced introduction to regular expressions, and new exercises and solutions designed for readers to practice what they've learned while it's still fresh in their minds.

Programming Perl, 3rd Edition

O'Reilly & Associates, Inc.

By Larry Wall, Tom Christiansen & Jon Orwant

ISBN 0-596-00027-8, 1084 pages

\$49.95 US, \$72.95 CAN

July 2000

Perl is a powerful programming language that has grown in popularity since it first appeared in 1987. The first edition of this book, *Programming Perl*, hit the shelves in 1991, and was quickly adopted as the undisputed bible of the language. This third edition of *Programming Perl* has not only been expanded to cover Version 5.6 of this maturing language, it has been completely reorganized and fortified with numerous examples. Most existing topics have been dramatically reworked from the ground up, like object-oriented programming and regular expressions. Many brand new chapters have been added, including those on profiling, pod, Unicode, threading, compiling, and Perl internals.

Perl Cookbook

O'Reilly & Associates, Inc.

By Tom Christiansen & Nathan Torkington

ISBN 1-56592-243-3, 794 pages

\$39.95 US, \$56.95 CAN

August 1998

The *Perl Cookbook* is a comprehensive collection of problems, solutions, and practical examples for anyone programming in Perl. You'll find hundreds of rigorously reviewed Perl "recipes" for manipulating strings, numbers, dates, arrays, and hashes; pattern matching and text substitutions; references, data structures, objects, and classes; signals and exceptions; and much more.

The Perl CD Bookshelf, Version 2.0

O'Reilly & Associates, Inc.

By O'Reilly & Associates, Inc.

ISBN 0-596-00164-9, 674 pages, Features CD-ROM

\$79.95 US, \$119.95 CAN

May 2001

This updated version of *The Perl CD Bookshelf* contains the third edition of *Programming Perl; Perl for System Administration*; and a powerhouse of other O'Reilly Animal Guides. You'll have access to the combined resources of complete, unabridged versions of *Perl in a Nutshell*, *Perl Cookbook*, and *Advanced Perl Programming*, along with the new books. As a bonus, we've enclosed the paperback version of *Perl in a Nutshell*. Formatted in HTML, *The Perl CD Bookshelf*, Version 2.0, can be accessed with any web browser. The books are fully searchable and cross-referenced. In addition to individual indexes for each book, there is a master index for the entire library.

Network Programming with Perl

Addison-Wesley Publishing Company

By Lincoln D. Stein

ISBN 0-20161-571-1, 576 pages

\$54.95 US, \$81.95 CAN

December 2000

This book focuses on the methods and alternatives for designed TCP/IP-based client/server systems and advanced techniques for specialized applications with Perl. It is a guide that examines a collection of the best third party modules in the Comprehensive Perl Archive Network.

Data Munging with Perl

Manning Publications Co.

By David Cross

ISBN 1-93011-000-6, 300 pages

\$36.95 US, \$55.95 CAN

January 2001

While Perl is commonly used for tasks such as transforming and massaging data, there has been no book focused on the topic of munging. This book covers the basic paradigms of programming and discusses the many techniques that are specific to Perl. It also examines standard data formats such as text, binary, HTML, and XML before giving tips on creating and parsing new structured data formats.

Elements of Programming with Perl

Manning Publications Co.

By Andrew L. Johnson

ISBN 1-88477-780-5, 368 pages

\$34.95 US, \$48.95 CAN

October 1999

As a complete introduction to programming, this book is written for those learning Perl as their first language. Examples range from a useful utility for searching the Perl FAQs, to a web client for tracking and charting stock quotes, to an object-oriented student grading system. This book offers you a practical, hands-on approach to learning programming the Perl way.

Perl for System Administration

O'Reilly & Associates, Inc.

By David N. Blank-Edelman

ISBN 1-56592-609-9, 448 pages

\$34.95 US, \$51.95 CAN

July 2000

Perl for System Administration is aimed at all levels of administrators, from single-box Linux users to card-carrying SAGE members. This book covers the major computing platforms, including Unix, Windows NT and 2000, and Mac OS. Assuming some experience with Perl, this book shows you how Perl can increase your productivity in many areas. Each chapter concentrates on a single administrative area, discusses the possible pitfalls, and then shows how Perl comes to the rescue. It also emphasizes how to use existing Perl modules for your benefit. Each chapter ends with a listing of relevant modules and where to find them, as well as other references for readers who want to explore the topic area further.

Object Oriented Perl

Manning Publications Co.

By Damian Conway

ISBN 1-88477-779-1, 512 pages

\$42.95 US, \$62.95 CAN

August 1999

This popular book is filled with object-oriented techniques to help you write cleaner, more readable, and more maintainable Perl programs. Basic object-oriented design techniques are illustrated, providing an invaluable guide to programming in Perl. An excellent review of basic Perl syntax, the basics of solid object design, and special attention to popular object modules are also included.

Advanced Perl Programming

O'Reilly & Associates, Inc.

By Sriram Srinivasan

ISBN 1-56592-220-4, 434 pages

\$34.95 US, \$51.95 CAN

August 1997

This book covers complex techniques for managing production-ready Perl programs and explains methods for manipulating data and objects that may have looked like magic before. It gives you necessary background for dealing with networks, databases, and GUIs, and includes a discussion of internals to help you program more efficiently and embed Perl within C, or C within Perl.

Perl & LWP

O'Reilly & Associates, Inc.

By Sean M. Burke

ISBN 0-596-00178-9, 288 pages (est.)

\$34.95 US, \$54.95 CAN

June 2002 (est.)

With a suite of Perl modules known as LWP (lib-www-perl), programmers can dispense with graphical web browsers such as Netscape Navigator and interact with web servers directly. LWP is ideal for automating repetitive tasks that would be cumbersome to perform with a browser. This comprehensive guide to LWP and its applications comes with many practical examples. Topics include programmatically fetching web pages, submitting forms, using various techniques for HTML parsing, handling cookies, and authentication. With the knowledge in *Perl & LWP*, you can automate any task on the Web, from checking the prices of items at online stores to bidding at auctions automatically.

Perl Graphics Programming

O'Reilly & Associates, Inc.

By Shawn Wallace

ISBN 0-596-00219-X, 504 pages (est.)

\$39.95 US, \$61.95 CAN

September 2002 (est.)

This insightful volume focuses on scripting programs that enable programmers to manipulate graphics for the Web. The book also helps demystify the manipulation of graphics formats for web newcomers with a practical, resource-like approach. While most of the examples use Perl as a scripting language, the concepts are applicable to any programming language. The book documents ways to use several powerful Perl modules for generating graphics, including GD, PerlMagick, and GIMP. *Perl Graphics Programming* will change how you think about creating and manipulating graphics for publishing on the Web.

Embedding Perl in HTML with Mason

O'Reilly & Associates, Inc.

By Dave Rolsky & Ken Williams

ISBN 0-596-00225-4, 200 pages (est.)

\$24.95 US, \$38.95 CAN

September 2002 (est.)

Increasingly, the trend for web pages is a mixture of HTML and programming code. Mason, a templating system that mixes together Perl and text, allows Perl to be embedded into the code. While using Mason is not difficult, the design of a Mason-based site can be tricky. With Mason's unique features, the design of a site or web application can be streamlined by minimizing the repeated code in the application and maximizing code reuse, letting you spend time making things work rather than re-inventing the wheel. This book introduces you to Mason and to designing sites with that in mind. In addition, all of the features of Mason are covered from several angles, including autohandlers and dhandlers.

Practical mod_perl

O'Reilly & Associates, Inc.

By Stas Bekman & Eric Cholet

ISBN 0-596-00227-0, 700 pages (est.)

\$44.95 US, \$69.95 CAN

September 2002 (est.)

This is the only book that gives detailed instructions on how to use, optimize, and troubleshoot mod_perl. An excellent place for new mod_perl users to start, *Practical mod_perl* shows how to get this Apache module running quickly and easily. However, the bulk of this insightful volume shows how to take full advantage of the power of mod_perl through discussions on the Perl programming language, Apache's Perl API, and scripts that run under Apache::Registry. The authors provide tips and advice from their experience, as well as those from the mod_perl community at large. Covers Apache 2.0.

Mod_perl Developer's Cookbook

Sams

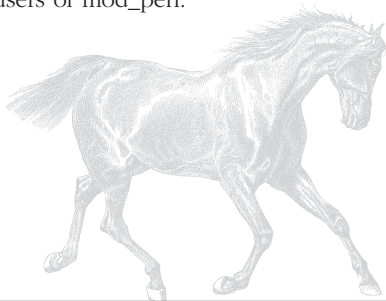
By Geoffrey Young, Paul Lindner & Randy Kobes

ISBN 0-672-32240-4, 672 pages

\$39.99 US, \$61.99 CAN

January 2002

This book teaches programming with the mod_perl API by example. The book takes developers from the basics of mod_perl to the development of advanced web applications. Developers will learn tricks, solutions, and mod_perl idioms gleaned from the authors' experience as developers and expert users of mod_perl.



Computer Science & Perl Programming: Best of The Perl Journal

O'Reilly & Associates, Inc.

Edited by Jon Orwant

ISBN 0-596-00310-2, 800 pages (est.)

\$39.95 US, 61.95 CAN

August 2002 (est.)

Computer Science & Perl Programming: Best of The Perl Journal is the first of three volumes from the archives of *The Perl Journal* that O'Reilly has exclusive rights to distribute. This book is a compilation of the best *TPJ* has to offer: 71 articles providing a comprehensive tour of how experts implement computer science concepts in the real world, with code walkthroughs, case studies, and explanations of difficult techniques that can't be found in any other book. With articles on object-oriented programming, closures, regular expressions, buffering, parsing, using other languages from Perl, sending and filtering mail programmatically, working with Microsoft Office programs, DNS, the internals of Perl, and over four dozen other topics, this compendium constitutes a grab bag of topics that keep Perl programmers up at night.

Web, Graphic & Perl/Tk Programming: Best of The Perl Journal

O'Reilly & Associates, Inc.

Edited by Jon Orwant

ISBN 0-596-00311-0, 504 pages (est.)

\$39.95 US, 61.95 CAN

August 2002 (est.)

This second volume is a collection of forty articles about Perl programs that create things you can see: web pages, Perl/Tk applications, and pictures. Half of the articles in this volume deal with essential issues faced by web developers using Perl, such as CGI scripting, `mod_perl` programming, and content management with the Apache web server. Remaining articles offer top-to-bottom coverage of how Perl programmers can create graphical applications with Perl/Tk and Gnome.

Games, Diversions & Perl Culture: Best of The Perl Journal

O'Reilly & Associates, Inc.

Edited by Jon Orwant

ISBN 0-596-00312-9, 504 pages (est.)

\$39.95 US, 61.95 CAN

August 2002 (est.)

This third volume focuses on entertaining topics that make Perl users such fanatics about the language. Inside, you will find all of the playful features *TPJ* offered over the years, including the Obfuscated Perl Contests, Perl Quiz Shows, humor articles, and renowned one-line recipes. The book also contains a panoply of quirky applications of Perl, including genetic algorithms, home automation, music programming, and an entire section on natural language processing.

Effective Perl Programming: Writing Better Programs with Perl

Addison-Wesley Publishing Co.

By Joseph N. Hall

ISBN 0-20141-975-0, 288 pages

\$32.95 US, \$48.95 CAN

January 1998

Filled with great code examples and code snippets, this book is an excellent source of tips and tricks to make your Perl program faster running and easier to read. Included is a strong section on using the Perl debugger to improve your Perl programming skills. In addition, *Effective Perl Programming* has a clear layout: the mono-spaced fonts make a nice distinction between single quotes and kickbacks, and the text is easy on the eyes.

Mastering Perl/Tk

O'Reilly & Associates, Inc.

By Stephen Lidie & Nancy Walsh

ISBN 1-56592-716-8, 766 pages

\$44.95 US, \$67.95 CAN

January 2002

Mastering Perl/Tk is the “bible” of Perl/Tk: It’s not only a great book for getting started, but also the best reference for learning the techniques of experienced Perl/Tk programmers. The first half of the book contains the basics on how to use Perl/Tk, and then branches out into advanced applications with a series of extensive program examples. The result is a book accessible for novices, and invaluable for experienced programmers ready to learn the next step in the elegant and effective use of Perl/Tk. The book also includes appendices on installing Perl/Tk, a complete quick-reference for each standard widget, and listings of all the extended examples in the book

Mastering Algorithms with Perl

O'Reilly & Associates, Inc.

By Jon Orwant, Jarkko Hietaniemi

& John Macdonald

ISBN 1-56592-398-7, 704 pages

\$34.95 US, \$51.95 CAN

August 1999

Whether you are an amateur programmer or proficient in a wide range of algorithms in other languages, this book will teach you how to carry out traditional programming tasks in a high-powered, efficient, easy-to-maintain manner with Perl. Topics range in complexity from sorting and searching to statistical algorithms, numerical analysis, and encryption.

Programming the Perl DBI

O'Reilly & Associates, Inc.

By Alligator Descartes & Tim Bunce

ISBN 1-56592-699-4, 350 pages

\$34.95 US, \$51.95 CAN

February 2000

DBI, the primary interface for database programming in Perl, has become an essential part of what makes the Web work. This book, coauthored by the primary developer of DBI, is an indispensable guide for any Perl programmer working with databases. For the uninitiated, the book explains the architecture of DBI and shows you how to write DBI-based programs. For the experienced DBI dabbler, this book explains DBI's nuances and the peculiarities of each individual DBD. This is the definitive book for database programming in Perl.

CGI Programming with Perl, 2nd Edition

O'Reilly & Associates, Inc.

By Scott Guelich, Shishir Gundavaram & Gunther Birznieks

ISBN 1-56592-419-3, 464 pages

\$34.95 US, \$51.95 CAN

June 2000

Based on the bestselling *CGI Programming on the World Wide Web*, this edition has been completely rewritten to demonstrate current techniques available with the CGI.pm module and the latest versions of Perl. The book starts at the beginning by explaining how CGI and the underlying HTTP protocol work, and then takes you swiftly into the subtle details of developing CGI programs. With its emphasis on current techniques and technologies, this is the “next generation” book on CGI.

Perl and CGI for the World Wide Web

Addison-Wesley Publishing Company

By Elizabeth Castro

ISBN 0-20135-358-X, 272 pages

\$18.99 US, \$28.99 CAN

November 1998

Taking a visual approach, this guide uses ample screen stills to explain the basic components of Perl and shows how to install and customize existing CGI scripts to build interactivity into web sites.

Programming Web Services with Perl

O'Reilly & Associates, Inc.

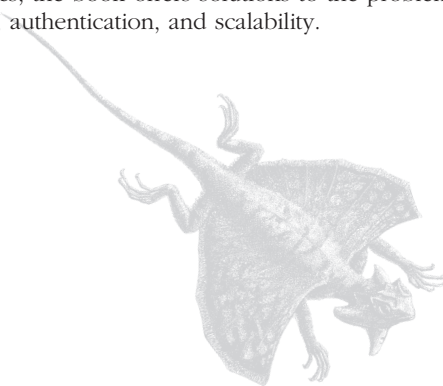
By Randy Ray & Scott Guelich

ISBN 0-596-00206-8, 280 pages (est.)

\$29.95 US, \$46.95 CAN

November 2002 (est.)

O'Reilly presents another Perl first: *Programming Web Services with Perl*. Like most O'Reilly books, it cuts through the hype on web services and concentrates on the useful and practical. It shows how to use Perl to create web services, introducing the major web service standards (XML-RPC, SOAP, WSDL, UDDI) and how to implement Perl servers and clients using these standards. Moving beyond the basics, the book offers solutions to the problems of security, authentication, and scalability.



PYTHON

Python has transitioned from an emerging language of interest primarily to pioneers, to a widely accepted tool, used by traditional programmers for real day-to-day development tasks. Python is an interpreted language designed for rapid application development and deployment. Among other things, Python supports object-oriented programming; a remarkably simple, readable, and maintainable syntax; integration with C components, and a vast collection of pre-coded interfaces and utilities. As Python has grown to embrace developers on a number of different platforms (Unix, Linux, Windows, Mac), companies have taken notice and are adopting Python for their products. It has shown up animating the latest Star Wars® movie, serving up maps and directories on the Internet, guiding users through Linux installations, testing chips and boards, managing Internet discussion forums, scripting online games, even scripting wireless products.

Python Cookbook

O'Reilly & Associates, Inc.

By Alex Martelli & David Ascher, Editors

ISBN 0-596-00167-3, 600 pages (est.)

\$39.95 US, \$61.95 CAN

July 2002 (est.)

The *Python Cookbook* is a collection of problems, solutions, and practical examples written by Python programmers in the style of the popular *Perl Cookbook*. This book is for both Python programmers and experienced programmers who are new to Python and want to evaluate whether or not the language is suitable for their intended applications. Anyone interested in Python programming will want this wealth of practical advice, snippets of code, and patterns of program design that can be directly lifted out of the book and applied to everyday programming problems.

Python in a Nutshell

O'Reilly & Associates, Inc.

By Alex Martelli

ISBN 0-596-00188-6, 400 pages (est.)

\$34.95 US, \$54.95 CAN

October 2002 (est.)

Python in a Nutshell offers Python programmers one place to look for help remembering or deciphering Python's most important tools and modules. It covers more than the language itself and includes the most frequently used parts of the standard library and the most popular and important third party extensions. Python is an easy, simple language with a huge library that is enormously rich. The "In a Nutshell" format fits the Python language perfectly, and is excellent in presenting the practical highlights of the modules and functions, which cover well over 90% of practical needs. Covers the newest version of Python 2.2.

Programming Python, 2nd Edition

O'Reilly & Associates, Inc.

By Mark Lutz

ISBN 0-596-00085-5, 1256 pages, Includes CD-ROM

\$54.95 US, \$80.95 CAN

March 2001

Programming Python, 2nd Edition, focuses on advanced applications of Python, an increasingly popular object-oriented scripting language. Endorsed by Python creator Guido van Rossum, it covers Internet scripting; systems programming; GUI programming, including Tkinter; and C integration. The book includes a platform-neutral CD-ROM with book examples and various Python-related packages, including the full Python Version 2.0 source code distribution.

Python Standard Library

O'Reilly & Associates, Inc.

By Fredrik Lundh

ISBN 0-596-00096-0, 300 pages

\$29.95 US, \$43.95 CAN

May 2001

This essential guide for serious Python programmers delivers accurate, author-tested documentation of all the modules in the *Python Standard Library*, along with over 300 annotated example scripts using the modules. This version of the book covers all the new modules and related information for Python 2.0, the first major release of Python in four years.

Python Programming on Win32

O'Reilly & Associates, Inc.

By Mark Hammond & Andy Robinson

ISBN 1-56592-621-8, 704 pages

\$34.95 US, \$51.95 CAN

January 2000

Despite Python's increasing popularity on Windows, *Python Programming on Win32* is the first book to demonstrate how to use it as a serious Windows development and administration tool. Unlike scripting on Unix, Windows scripting involves integrating a number of components, such as COM or the various mail and database APIs, with the Win32 programming interface. While experienced Windows C++ programmers can find their way through the various objects, most people need some guidance, and this book provides it. It addresses all the basic technologies for common integration tasks on Windows, explaining both the Windows issues and the Python code you need to glue things together.

Learning Python

O'Reilly & Associates, Inc.

By Mark Lutz & David Ascher

ISBN 1-56592-464-9, 384 pages

\$29.95 US, \$43.95 CAN

April 1999

An introduction to the increasingly popular Python programming language—an interactive, object-oriented portable scripting language—this book introduces the elements of Python: types, operators, statements, classes, functions, modules, and exceptions. Proceeding to more advanced features, it demonstrates how Python performs common tasks and presents real applications as well as the libraries available for those applications.

Python Pocket Reference, 2nd Edition

O'Reilly & Associates, Inc.

By Mark Lutz

ISBN 0-596-00189-4, 128 pages

\$11.95 US, \$17.95 CAN

November 2001

Python Pocket Reference, 2nd Edition, is a companion volume to two O'Reilly Animal Guides, *Programming Python*, 2nd Edition, and *Learning Python*. It summarizes Python statements and types, built-in functions, commonly used library modules, and other prominent Python language features. This pocket reference covers the latest Python release 2.2, and provides quick access to just what you're looking for. It is a short, concise reference for the most commonly used libraries and tools. The new edition also includes new summary material for Python's GUI, Internet, and database programming tools.

Python Essential Reference, 2nd Edition

New Riders Publishing

By David Beazley

ISBN 0-735-71091-0, 416 pages

\$34.99 US, \$54.95 CAN

June 2002

This book is aimed at professionals who have experience with other systems programming languages such as C or C++. The sections cover a brief tutorial and introduction, an informal language reference, the Python library, and the Python C API used to write Python extensions.

Python & XML

O'Reilly & Associates, Inc.

By Christopher Jones & Fred Drake

ISBN 0-596-00128-2, 378 pages

\$39.95 US, \$59.95 CAN

December 2001

Because Python is object-oriented and has powerful text manipulation abilities, it is an ideal language for manipulating XML. *Python & XML* is loaded with practical examples, and highlights common application tasks, so that you can learn by doing. The book starts with the basics then quickly progresses to complex topics, like transforming XML with XSLT, querying XML with XPath, and working with XML dialects and validation. It also explores the more advanced issues: using Python with SOAP and distributed web services, and using Python to create scalable streams between distributed applications (like databases and web servers). The book provides effective practical applications, while referencing many of the tools involved in XML processing and Python, and highlights cross-platform issues along with tasks relevant to enterprise computing. You will find ample coverage of XML flow analysis and details on ways in which you can transport XML through your network.

The Quick Python Book

Manning Publications Co.

By Daryl Harms & Kenneth McDonald

ISBN 1-88477-774-0, 444 pages

\$39.95 US, \$51.95 CAN

October 1999

This book is a clear, concise introduction to Python for experienced programmers who want to know more about the Python language. Covered are the core features of Python (features common to other languages as well as unique ones), larger application features, and advanced topics.

Python and Tkinter Programming

Manning Publications Co.

By John E. Grayson

ISBN 1-88477-781-3, 688 pages

\$49.95 US, \$72.95 CAN

January 2000

Although Tkinter is the preeminent GUI toolkit for Python, it is not yet fully documented. *Python and Tkinter Programming* is intended to fill this void for the Python community and for readers who already understand basic programming in Python and need to develop applications to solve real problems. Included are complete details on extending Python to support external systems and methods for packaging and distributing Tkinter applications.



Python Tutorial, Release 1.5.2

toExcel Press

By Guido van Rossum

ISBN 1-58348-375-6, 140 pages

\$12.95 US, \$18.95 CAN

February 1999

This easy-to-understand introduction to Python was written by the creator of the Python language. Included is an introduction to the basic concepts and features of the Python language and system. toExcel Press produced this book from open source documentation freely available from the Python web site.

Python Reference Manual, Release 1.5.2

toExcel Press

By Guido van Rossum

ISBN 1-58348-374-8, 140 pages

\$12.95 US, \$18.95 CAN

February 1999

Also written by the creator of Python, this reference manual describes the syntax and core semantics of this programming language. It documents the standard types of the language and its built-in functions and exceptions. This volume will save you the time and expense of printing the documentation yourself.

Python Library Reference, Release 1.5.2

toExcel Press

By Guido van Rossum

ISBN 1-58348-373-X, 496 pages

\$22.95 US, \$33.95 CAN

February 1999

This reference manual documents Python's standard library, including many optional library modules, as well as the standard types of the language and its built-in functions and exceptions. Written by the creator of Python, this book was produced from open source documentation freely available from the Python web site.

Core Python Programming

Prentice Hall PTR

By Wesley Chun

ISBN 0-13026-036-3, 810 pages, Includes CD-ROM

\$39.99 US, \$59.99 CAN

December 2000

A quick guide to everything anyone would want to know about Python. It provides an introduction to new features introduced in Python 1.6 as well as regular expressions, extending Python, and OOP. The CD-ROM includes the source code for all of the examples in the text.

Jython Essentials

O'Reilly & Associates, Inc.

By Noel Rappin & Samuele Pedroni

ISBN 0-596-00247-5, 304 pages

\$24.95 US, \$38.95 CAN

November 2001

Jython Essentials provides a solid introduction to the Python language, offering a brief but thorough tour of the Python concepts you'll need to understand to use Jython effectively. The book makes frequent comparisons between Python and Java, with special emphasis on the different object-oriented semantics of the two languages, so Java programmers can quickly get up to speed with Jython. It also covers the various ways in which Python and Java can interact. This book provides examples of using Jython with existing Java libraries, including the Swing GUI toolkit, the JDBC database API, the Servlet API, and various XML tools. And finally, the book shows how Jython can be used as a scripting language within a Java program.



RUBY

Ruby is an absolutely pure object-oriented scripting language written in C and designed with Perl and Python capabilities in mind. While its roots are in Japan, Ruby is slowly but surely gaining ground in the U.S. The goal of Yukihiro Matsumoto, creator of Ruby, is to incorporate the strengths of languages like Perl, Python, Lisp, and Smalltalk. Ruby is a genuine attempt to combine the best of everything in the scripting world. Since 1993, Ruby mailing lists have been established, web pages have formed, and a community has grown around it. The language itself is very good at text processing and is notable for its broad object orientation. Ruby is portable and runs under GNU/Linux (and other Unices) as well as DOS, MS Windows, and Mac.

Ruby in a Nutshell

O'Reilly & Associates, Inc.

By Yukihiro Matsumoto

ISBN 0-59600-214-9, 218 pages

\$24.95 US, \$37.95 CAN

November 2001

With *Ruby in a Nutshell*, Matsumoto offers a practical reference to the features of this new language including the command-line options, syntax, built-in variables, functions, and many commonly used classes and modules. This guide covers the current stable version of Ruby (1.6), yet is applicable to the development version 1.7 and the next planned stable version 1.8. You will find a thorough description of Ruby's language syntax, and a description of the core functionality built into the standard Ruby interpreter, which has more than 800 built-in methods in 42 classes and modules. Ruby finds its power through its built-in libraries, and this handy volume takes you through the many useful libraries that come with the standard Ruby distribution—from network access via HTTP and CGI programming, to data persistence using the DBM library. This book concludes with coverage of the unique tools that come with Ruby, including the debugger, profiler, and irb (or interactive ruby).

PHP

PHP is an open source, HTML-embedded scripting language that allows web authors to serve dynamic web content by performing such tasks as processing form input and accessing databases directly in HTML pages, rather than through CGI scripts. PHP is browser-independent, runs on any web server that supports CGI, and interfaces with most databases. The millions of web sites powered by PHP are testament to its popularity and ease of use. PHP is used by both programmers, who appreciate its flexibility and speed, and web designers, who value its accessibility and convenience.

Programming PHP

O'Reilly & Associates, Inc.

By Rasmus Lerdorf & Kevin Tatroe

ISBN 1-56592-610-2, 524 pages

\$39.95 US, \$61.95 CAN

March 2002

Programming PHP is an authoritative guide to PHP 4, the latest version of the language, and is filled with the unique knowledge of the creator of PHP, Rasmus Lerdorf. This book explains PHP language syntax and programming techniques in a clear and concise manner, with numerous examples that illustrate both correct usage and common idioms. The book also includes style tips and practical programming advice, covering everything you need to know to create effective web applications with PHP. Topics covered include objects, forms processing, sessions, databases, graphics, standard extensions, and a detailed reference to the built-in functions.

Web Database Applications with PHP & MySQL

(see Database, page 28)

PHP Cookbook

O'Reilly & Associates

By David Sklar & Adam Trachtenberg

ISBN 1-56592-681-1, 500 (est.)

\$39.95 US, \$61.95 CAN

September 2002 (est.)

This cookbook has a wealth of solutions for problems that PHP programmers face regularly. With topics that range from beginner questions to advanced web programming techniques, the *PHP Cookbook* contains practical examples—or recipes—for any programmer or web designer who uses the scripting language to generate dynamic web content. With each recipe, the authors include a discussion that explains the logic and concepts underlying the solution. Readers will learn to quickly build applications that work everywhere and aren't tied down to a particular system. *PHP Cookbook* will be relied upon as a trusted source for problem solving. Because the cookbook format makes it very easy to find a specific solution to a problem, developers can spend time on those out-of-the-ordinary problems that are unique to their application.

PHP Pocket Reference

O'Reilly & Associates, Inc.

By Rasmus Lerdorf

ISBN 1-56592-769-9, 126 pages

\$9.95 US, \$14.95 CAN

February 2000

The *PHP Pocket Reference* outlines the basic syntax and structure of PHP, providing a fast-paced tutorial for learning the basics of developing web applications with PHP. This small book also includes a few real-world examples of PHP in action and a quick reference for the vast array of functions provided by PHP. It's a must for any PHP scripter on the go.

PHP Developers Cookbook

Sams

By Sterling Hughes & Andre Zmievski

ISBN 0-672-32325-7, 504 pages

\$39.99 US, \$61.99 CAN

December 2001

This task-based reference offers developers solutions to common problems they might encounter. Each solution provides complete code listings along with an explanation of how and why a particular solution was used. Chapters include dates and times, associative arrays, file access, directories, functions, web automation, DBM databases, interfacing with other languages, email, the LDAP and SNMP protocols, image creation, and the Zend.

PHP & MySQL Web Development

Sams

By Luke Welling & Laura Thomson

ISBN 0-672-31784-2, 896 pages, Includes CD-ROM

\$49.99 US, \$77.99 CAN

March 2001

PHP & MySQL Web Development teaches the reader to develop dynamic, secure e-commerce web sites and web applications. The book shows how to integrate and implement these technologies by following real-world examples and working sample projects. It also covers the related technologies needed to build a commercial web site such as SSL, shopping carts, and payment systems. The CD includes a Linux distribution, MySQL, PHP4, and utilities for the projects and code listings.



TCL / TK

The Tcl language and Tk graphical toolkit are simple and powerful building blocks for custom applications. An open source solution written by John Ousterhout, Tcl runs on many platforms. When coupled with Tk, it is similar to what is found in Windows. Tcl also has an interactive shell, which allows developers to write applications without using an editor. More than half a million users have chosen Tcl, including some in large enterprises that use it for mission critical work.

Tcl/Tk in a Nutshell

O'Reilly & Associates, Inc.

By Paul Raines & Jeff Tranter

ISBN 1-56592-433-9, 456 pages

\$24.95 US, \$36.95 CAN

March 1999

The Tcl language and Tk graphical toolkit are simple and powerful building blocks for custom applications. The Tcl/Tk combination is increasingly popular because it lets you produce sophisticated graphical interfaces with a few easy commands, develop and change scripts quickly, and conveniently tie together existing utilities or programming libraries. One of the attractive features of Tcl/Tk is the wide variety of commands, offering a wealth of options.

Tcl/Tk Tools

O'Reilly & Associates, Inc.

By Mark Harrison

ISBN 1-56592-218-2, 678 pages, Includes CD-ROM

\$49.95 US, \$70.95 CAN

September 1997

This book clearly documents the most popular and robust extensions of the Tcl/Tk language and graphical toolkit. It contains information on configuration, debugging, and other important tasks. The CD-ROM includes the Tcl/Tk distribution, the extensions, and other tools documented in the text.

Practical Programming in Tcl and Tk, 3rd Edition

Prentice Hall PTR

By Brent B. Welch

ISBN 0-13022-028-0, 832 pages, Includes CD-ROM

\$45.00 US, \$66.00 CAN

January 2000

This Tcl book fills the need for an introduction to Tcl/Tk. Many useful extensions are covered, including the new Tcl Web Server. It is fully updated for Tcl 8.2 and presents new techniques for working with regular expressions and namespaces.

Tcl/Tk Pocket Reference

O'Reilly & Associates, Inc.

By Paul Raines

ISBN 1-56592-498-3, 96 pages

\$9.95 US, \$14.95 CAN

October 1998

A companion volume to *Tcl/Tk in a Nutshell*, the *Tcl/Tk Pocket Reference* is a handy guide to the basic Tcl language elements, Tcl and Tk commands, and Tk widgets. It provides easily accessible information and includes easy-to-understand summaries of Tcl/Tk language elements, covering Tcl Version 8 and Tk Version 8.

Tcl/Tk: Programmer's Reference

Computing McGraw-Hill

By Christopher Nelson

ISBN 0-07212-004-5, 539 pages

\$19.99 US, \$28.99 CAN

October 1999

This is a handy resource for creating dynamic applications and GUIs, including cross-referenced descriptions of all Tcl and Tk commands. This book is filled with expert advice on unique "Programmer's Tip" elements and clear examples covering Tcl/Tk 8.2.

Exploring Expect

O'Reilly & Associates, Inc.

By Don Libes

ISBN 1-56592-090-2, 602 pages

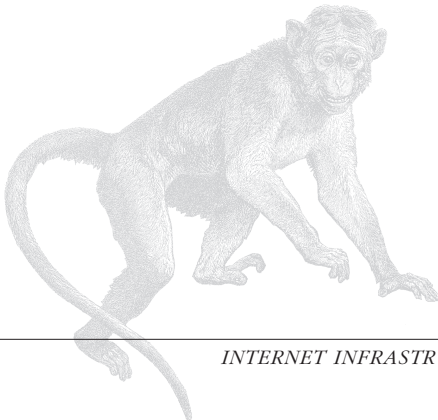
\$32.95 US, \$48.95 CAN

December 1994

Written by the author of *Expect*, this is the first book to explain how this part of the Unix toolbox can be used to automate Telnet, FTP, *passwd*, *rlogin*, and hundreds of other interactive applications. Based on Tcl (Tool Command Language), *Expect* lets you automate interactive applications that previously were extremely difficult to handle with any scripting language. The book briefly describes Tcl and how *Expect* relates to it. It then describes the *Expect* language, using a combination of reference material and specific, useful examples of its features. The book's strength is its scripts, conveniently listed in a separate index.

INTERNET INFRASTRUCTURE

A decade ago when internal networks were truly closed systems, all computers in a LAN were physically wired together in a single location. Today, as companies expand their networks to include branch offices and "telecommuters," the Internet plays an increasing role. Many people don't realize that the Internet itself was developed as a collaborative project using open source principles. Many key parts of the infrastructure are still maintained by open source projects.



Exim: The Mail Transfer Agent

O'Reilly & Associates, Inc.

By Philip Hazel

ISBN 0-569-00098-7, 600 pages

\$44.95 US, \$67.95 CAN

June 2001

Exim's features include sophisticated rules for routing mail to individual users or sets of users, information lookups in a variety of formats, spam filtering, virus or attachment checking, and mailing list management. *Exim: The Mail Transfer Agent*, written by the developer of Exim, fleshes out its features with clear explanations and illuminating examples. The author's lucid writing style and understanding of Exim users' needs are unmatched. Anyone who wants to understand Exim will need this book.

sendmail, 3rd Edition

O'Reilly & Associates, Inc.

By Bryan Costales with Eric Allman

ISBN 1-56592-839-3, 1000 pages (est.)

\$59.95 US, \$92.95 CAN

October 2002 (est.)

The release of Versions 8.10 through 8.12 of the *sendmail* program differs so significantly from earlier versions that a massive rewrite of *sendmail*, the book, was called for. In this edition the tutorial has been replaced with a single introductory chapter. A chapter on performance tuning has been added because so many sites now seek to make mail delivery efficient. Because Versions 8.10 and above are now rich in anti-spam features, a chapter on handling spam has been added. Also new to this edition is coverage of other programs supplied with *sendmail*, such as vacation and makemap. These additional programs are pivotal to the daily operation of *sendmail*. 8.10 through 8.12 *sendmail* have added dozens of new features, options, and macros, which are covered in many massively expanded chapters.

sendmail Desktop Reference

O'Reilly & Associates, Inc.

By Bryan Costales & Eric Allman

ISBN 1-56592-278-6, 74 pages

\$9.95 US, \$14.95 CAN

March 1997

This quick-reference guide to the *sendmail* program provides a complete overview of Version 8.8 of *sendmail*, from command line switches to configuration commands, from options declarations to macro-definitions, and from m4 features to debugging switches—all packed into a convenient, portable booklet.

DNS and BIND, 4th Edition

O'Reilly & Associates, Inc.

By Paul Albitz & Cricket Liu

ISBN 0-596-00158-4, 624 pages

\$44.95 US, \$65.95 CAN

April 2001

DNS and BIND is about one of the Internet's fundamental building blocks: the distributed host information database that's responsible for translating names into addresses, routing mail to its proper destination, and many other services. As the authors say in the preface, if you're using the Internet, you're already using DNS—even if you don't know it. This edition brings you up to date on the new 9.1.0 and 8.2.3 versions of BIND along with the older 4.9 version. There's also more extensive coverage of NOTIFY, IPv6 forward and reverse mapping, transaction signatures, and the new DNS Security Extensions; and a new section on accommodating Windows 2000 clients, servers, and Domain Controllers.

TCP/IP Network Administration, 3rd Edition

O'Reilly & Associates, Inc.

By Craig Hunt

ISBN 0-596-00297-1, 746 pages

\$44.95 US, \$69.95 CAN

April 2002

This complete guide to setting up and running a TCP/IP network starts with the fundamentals—what protocols do and how they work, how addresses and routing are used to move data through the network, how to set up your network connection—and then covers, in detail, everything you need to know to exchange information via the Internet. Included are discussions on advanced routing protocols (RIPv2, OSPF, and BGP) and the gated software package that implements them, a tutorial on configuring important network services—including DNS, Apache, *sendmail*, Samba, PPP, and DHCP—as well as expanded chapters on troubleshooting and security. *TCP/IP Network Administration* is also a command and syntax reference for important packages such as *gated*, *pppd*, *named*, *dhcpcd*, and *sendmail*. The third edition also contains coverage that includes Linux, Solaris, BSD, and System V TCP/IP implementations.

Programming Internet Email

O'Reilly & Associates, Inc.

By David Wood

ISBN 1-56592-479-7, 378 pages

\$34.95 US, \$51.95 CAN

August 1999

The Internet's "killer app" is not the World Wide Web; it is humble electronic mail. More people use email than any other Internet application. This book is an essential guide and reference book for any programmer building applications on top of email capabilities or for power users trying to get a better understanding of their own email systems.

Network Security with OpenSSL

O'Reilly & Associates, Inc.

By Jon Viega, Matt Messier & Pravir Chandra

ISBN 0-596-00270-X, 384 pages (est.)

\$39.95 US, \$61.95 CAN

June 2002 (est.)

OpenSSL is a popular open source library that provides developers with an extensive collection of cryptographic functions for transmitting confidential information over the Internet. Because OpenSSL is the only non-commercial library that provides a free, commercial-quality implementation of SSL (a protocol developed by Netscape for transmitting data), this library is commonly used in free and open source web site projects to protect a broad range of sensitive information such as credit card numbers and other financial transactions. This book documents the OpenSSL library, and provides a solid foundation for developers who have a need for cryptographic functions. *Network Security with OpenSSL* explains the important aspects of the OpenSSL API in detail and offers a series of practical examples and template code that developers can integrate into their own applications.

APACHE

Apache is the most popular web server software on the Internet, running about 60% of all web servers. According to current surveys, Apache runs on more than 8 million web sites, up from 6 million at the beginning of 2001. Apache is an open source product developed by the Apache Software Foundation. The Apache web server's strength stems from its collaborative community, which includes hundreds of users who contribute ideas, code, and documentation to the project.

Apache: The Definitive Guide, 3rd Edition

O'Reilly & Associates, Inc.

By Ben Laurie & Peter Laurie

ISBN 0-596-00203-3, 476 pages (est.)

\$39.95 US, \$61.95 CAN

September 2002 (est.)

This complete guide to the Apache web server discusses how to obtain, set up, and secure the software on both Unix and Windows systems. The updated 3rd Edition covers both Apache 1.3 and Apache 2.0, the latest release of the software, and contains new material on `mod_perl`, PHP, Cocoon, Tomcat, and other new technologies that are associated with this dominant web server software. It is coauthored by a core member of the Apache Software Foundation, the organization responsible for the development of Apache.

Apache Pocket Reference

O'Reilly & Associates, Inc.

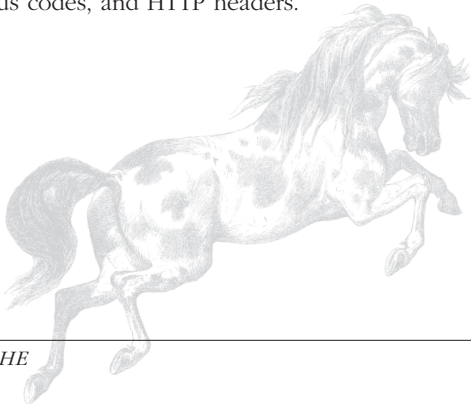
By Andrew Ford

ISBN 1-56592-706-0, 100 pages

\$9.95 US, \$14.95 CAN

June 2000

The *Apache Pocket Reference*, covering Apache 1.3, is a companion to *Writing Apache Modules with Perl and C* and *Apache: The Definitive Guide*, 2nd Edition. A handy reference guide to this popular web server, it provides a complete overview of the command-line options, configuration directives, and modules, and covers Apache support utilities, HTTP status codes, and HTTP headers.



Professional Apache

Wrox Press Inc.

By Peter Wainwright

ISBN 1861003021, 616 pages

\$49.99 US, \$74.95 CAN

November 1999

Professional Apache is a resource for those looking to implement the popular open source web server. This title covers installation, configuration, and customization of the Apache web server. The text covers the various configuration files that determine Apache's personality, illustrating how to achieve particular goals with small snippets of code. The author uses examples of how to configure Apache to manage multiple sites, monitor the server's performance, apply security, and extend the product with several third-party add-on modules.

Writing Apache Modules with Perl and C

O'Reilly & Associates, Inc.

By Lincoln Stein & Doug MacEachern

ISBN 1-56592-567-X, 746 pages

\$39.95 US, \$58.95 CAN

March 1999

This guide to web programming teaches you how to extend the capabilities of the Apache web server. It explains the design of Apache, `mod_perl`, and the Apache API. *Writing Apache Modules with Perl and C* then demonstrates how to use these designs to rewrite CGI scripts, filter HTML documents on the server-side, enhance server log functionality, convert file formats on the fly, and more. Written by Doug MacEachern, author of `mod_perl`, and Lincoln Stein, author of `CGI.pm`, this is the book for people who want to be Apache masters!

Linux Apache Web Server Administration

Sybex

By Charles Aulds

ISBN 0-782-12734-7, 614 pages

\$39.99 US, \$61.99 CAN

November 2000

A complete, advanced guide to the Apache web server, teaching all the standard and advanced techniques needed to administer Apache on a Linux box. Also shows how to extend Apache with Perl and other scripting tools, how to easily troubleshoot problems, and how to meet security challenges head-on. Hundreds of clear, consistent examples illustrate these techniques in detail.

BSD

The BSD operating system—previously known as the Berkeley version of Unix—is found in nearly every variant of Unix and is widely used for Internet services and firewalls, timesharing, and multiprocessing systems.

Design and Implementation of the 4.4BSD Operating System

Addison-Wesley Publishing Company

By Marshall Kirk McKusick & Keith Bostic

ISBN 0-20154-979-4,

\$64.95 US, \$96.95 CAN

May 1996

An authoritative, in-depth description of the 4.4BSD operating system. This “insider’s look” presents both philosophical and design issues as well as details of actual implementation of 4.4BSD. Covers virtual memory system including a key section on the functions needed to port it to a new architecture.

FreeBSD Unleashed

Sams

By Michael Urban & Brian Tiemann

ISBN 0-672-32206-4, 1024 pages, Includes CD-ROM

\$49.99 US, \$77.99 CAN

January 2002

This book teaches the reader everything they need to know in order to use FreeBSD to its full potential. It will show individuals how to use the same FreeBSD power that Yahoo!, the Internet Movie Database, and many other high profile Internet sites depend on. Whether you need an enterprise class server, a small business server, or a dependable workstation, this book can be a very economical and powerful solution to your needs. Emphasis is on Versions 4.4 and 5.0. Instructions and explanations are included on installing the operating system, configuring groups and users, setting up daemons (including those for network services like mail), and connecting to other computers (as well as the Internet). Installable copies of FreeBSD 4.4 and 5.0 ship with this book.

DOCUMENTATION

Documentation is a critical component to open source projects, not only for the end user of the software, but for the developer modifying the source code. The documentation must allow the mark up of content to be used in traditional print as well as for online documentation without the use of proprietary formats. Another necessity is the ability to have consistent and customizable formatting so users encounter robust and readable content.

XSL-FO

O'Reilly & Associates, Inc.

By Dave Pawson

ISBN 0-596-00355-2, 304 pages (est.)

\$34.95 US, \$54.95 CAN

August 2002 (est.)

Developers and web designers who want decent printouts of their XML documents need XSL-FO. More formally known as Extensible Style Language-Formatting Objects, XSL-FO provides a set of tools for describing paged printouts, unlike the (currently ordinary) conversions of XML documents to HTML. And although XSL-FO was designed for print production, it's broadly useful for a variety of XML-to-paper (or PDF) applications. This book offers in-depth coverage of XSL-FO's features. Unlike documentation from the World Wide Web Consortium (W3C)—the other primary source—all the material in XSL-FO is presented in a single coherent flow, without references to and changes of the Cascading Style Sheet (CSS) specification.

DocBook: The Definitive Guide

O'Reilly & Associates, Inc.

By Norman Walsh & Leonard Mueller

ISBN 1-56592-580-7, 648 pages, Includes CD-ROM

\$36.95 US, \$53.95 CAN

October 1999

DocBook is a Document Type Definition (DTD) for use with XML and SGML. DocBook lets authors in technical groups exchange and reuse technical information. *DocBook: The Definitive Guide* contains an introduction to SGML, XML, and the DocBook DTD, plus complete reference information for DocBook.

MAC® OS X

While not entirely open source, Apple's newest operating system, Mac OS X, is at the epicenter of the next wave of desktop Unices (or Unixes?). At its heart, Mac OS X is a BSD-based operating system that gives you the power of Unix and the "look and feel" that Macintosh users have touted for years. Mac OS X comes standard with many of the tools and applications that Unix users and developers have grown accustomed to having for years, including Perl, Python, Apache, sendmail, and more. That, combined with Apple's own Developer Tools, is quickly making Mac OS X the Unix development platform of choice.

Mac OS X: The Missing Manual

O'Reilly & Associates, Inc.

By David Pogue

ISBN 0-596-00082-0, 596 pages

\$24.95 US, \$37.95 CAN

December 2001

Few in the world are more qualified to guide Mac users through the undocumented jungle of Mac OS X than David Pogue, triple-award-winning former *Macworld* columnist and author of the bestselling *Mac OS 9: The Missing Manual*. His new book shines light on both the broad strokes and the fine points of Mac OS X Version 10.1, including understanding its Unix-like folder structure, setting up an office network, capitalizing on its rich Internet features, and even hacking the real power of the Unix underbelly by summoning the command-line interface. *Mac OS X: The Missing Manual* also covers each of the control panels and bonus programs that comes with Mac OS X, including iTunes, Mail, Sherlock, and Apache, the built-in web server.

Mac OS X for Unix Developers

O'Reilly & Associates, Inc.

By Brian Jepson & Ernest E. Rothman

ISBN 0-596-00342-0, 160 pages (est.)

\$19.95 US, \$30.95 CAN

September 2002 (est.)

Mac OS X has generated a great deal of interest from Unix system administrators, Unix developers, and Java developers. Because of the power and capabilities of this new operating system, these communities are now looking to Mac OS X to satisfy their everyday computing needs. But they need help finding the correspondences between the Unix they are accustomed to and the Unix that is under Mac OS X's hood. This handy reference will help readers acclimate themselves to this familiar, yet foreign, Unix environment.

Learning Unix for Mac OS X

O'Reilly & Associates, Inc.

By Dave Taylor & Jerry Peek

ISBN 0-596-00356-0, 156 pages

\$19.95 US, \$30.95 CAN

May 2002

Learning Unix for Mac OS X is a concise introduction that helps readers get started with Unix on Mac OS X. With Mac OS X, they now have the ability to not only continue to use their preferred platform, but to explore the powerful capabilities of Unix. This title gives the reader information on how to use the Terminal application, become functional with the command interface, and explore many Unix applications. The book provides instruction on how to use functions such as mail, chat, and web browsing from the command line. A unique challenge for Mac OS X users is printing from the command line. The book contains an entire chapter on how to configure and utilize the various print functions. It has been reviewed by Apple for technological accuracy and brandishes the Apple Development Connection (ADC) logo.

Mac OS X Pocket Reference

O'Reilly & Associates, Inc.

By Chuck Toporek

ISBN 0-596-00346-3, 124 pages

\$12.95 US, \$20.95 CAN

May 2002

The *Mac OS X Pocket Reference* introduces users to Mac, Windows, and Unix, and to the fundamental concepts of Mac OS X. Because Mac OS X is Unix-based, the *Mac OS X Pocket Reference* shows you how to issue basic Unix commands using the Terminal application. The book starts out with a “Mac OS X Survival Guide,” which shows Mac users what’s changed from Mac OS 9, and also helps Windows and Unix converts get acclimated with their new OS. It concludes with a 30+-page “Task and Setting” index, which answers questions that users might have when trying to configure their system.

AppleScript in a Nutshell

O'Reilly & Associates, Inc.

By Bruce W. Perry

ISBN 1-56592-841-5, 526 pages

\$29.95 US, \$44.95 CAN

June 2001

AppleScript in a Nutshell is the first complete reference to AppleScript®, the popular programming language that gives both power users and sophisticated enterprise customers the important ability to automate repetitive tasks and customize applications. As the Macintosh continues to expand and solidify its base in the multimedia and publishing industries, AppleScript is the tool of choice on this platform for creating sophisticated time- and money-saving workflow applications (applets). These applets automate the processing and management of digital video, imaging, print, and web-based material. AppleScript is also gaining a foothold in scientific programming, as technical organizations adopt G4 CPU-based systems for advanced computing and scientific analysis. Finally, “power users” and script novices will find that AppleScript is a great everyday Mac programming tool, similar to Perl on Windows NT or Unix.

Unix for Mac OS X: Visual QuickPro Guide

Peachpit Press

By Matisse Enzer

ISBN 0201795353, 400 pages

\$44.99 US, \$69.99 CAN

September 2002

With Mac OS X, Apple has completely rebuilt the Macintosh operating system from the ground up and yes, it's Unix that's running this new Mac OS. Mac users can now use the terminal command line to write a Perl script, automate batch commands, run an Apache server, use *sendmail*, and *grep* to their hearts delight. And alternately, many experienced Unix programmers are thrilled to be able to write shell scripts on the Mac platform. *Unix for Mac OS X: Visual QuickPro Guide* shows readers how to configure their Unix environment; navigate permissions, directories, and files; run handy Unix utilities; configure and run the Apache Web server; and much more. In addition, readers will learn how to protect their files with Unix's security tools, and how to fix their Macs when things go wrong.

Mastering Mac OS X

Sybex

By Todd Stauffer

ISBN 782125816, 805 pages

\$39.99 US, \$61.99 CAN

June 2001

Mastering Mac OS X is the most comprehensive resource available, a book for everyone who wants to become immediately productive with the latest version of the Mac operating system. Not only does it cover every feature and every built-in application in the new OS, it also includes chapters on Unix command-line theory and scripting, web server tweaks, QuickTime streaming server, Samba file sharing, and more.