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A Practical Guide to UNIX for Mac OS X Users-Mark G. Sobell 2005-12-21 The Most Useful UNIX Guide for Mac OS X Users Ever, with Hundreds of High-Quality Examples! Beneath Mac OS® X's stunning graphical user interface (GUI) is the most powerful operating system ever created: UNIX®. With unmatched clarity and insight, this book explains UNIX for the Mac OS X user-giving you total control over your system, so you can get more done, faster. Building on Mark Sobell's highly praised A Practical Guide to the UNIX System, it delivers comprehensive guidance on the UNIX command line tools every user, administrator, and developer needs to master—together with the world's best day-to-day UNIX reference. This book is packed with hundreds of high-quality examples. From networking and system utilities to shells and programming, this is UNIX from the ground up—both the "whys" and the "hows"—for every Mac user. You'll understand the relationships between GUI tools and their command line counterparts. Need instant answers? Don't bother with confusing online "manual pages": rely on this book's example-rich, quick-access, 236-page command reference! Don't settle for just any UNIX guidebook. Get one focused on your specific needs as a Mac user! A Practical Guide to UNIX® for Mac OS® X Users is the most useful, comprehensive UNIX tutorial and reference for Mac OS X and is the only book that delivers Better, more realistic examples covering tasks you'll actually need to perform Deeper insight, based on the authors' immense knowledge of every UNIX and OS X nook and

cranny Practical guidance for experienced UNIX users moving to Mac OS X Exclusive discussions of Mac-only utilities, including plutil, ditto, nidump, otool, launchctl, diskutil, GetFileInfo, and SetFile Techniques for implementing secure communications with ssh and scp-plus dozens of tips for making your OS X system more secure Expert guidance on basic and advanced shell programming with bash and tcsh Tips and tricks for using the shell interactively from the command line Thorough guides to vi and emacs designed to help you get productive fast, and maximize your editing efficiency In-depth coverage of the Mac OS X filesystem and access permissions, including extended attributes and Access Control Lists (ACLs) A comprehensive UNIX glossary Dozens of exercises to help you practice and gain confidence And much more, including a superior introduction to UNIX programming tools such as awk, sed, otool, make, gcc, gdb, and CVS

A Practical Guide to the UNIX System-Mark G. Sobell 1995 Includes complete chapters on the Korn Shell, the emacs text editor, and the vi editor Contains a new chapter on Networking with coverage of many network structures and commands as well as detailed instruction on accessing the Internet usingarchie and gopher, how to transfer files using FTP, and a section on World Wide Web and Mosaic Provides a new chapter on Graphical User Interfaces that discusses GUI components, the X Window System, and using and customizing Motif Examines the make, SCCS, RCS, awk, and sed programming tools Features detailed chapters on the Bourne and C shells with explanations of how to write shell programs (shell scripts) Includes an

in-depth chapter on the Korn shell that covers writing shell scripts and advanced concepts including recursion and the coprocess Offers a quick overview of the UNIX system in Chapter 1 Provides coverage of text editing, electronic mail, shell programming, and other applications with examples, exercises, sample screens, and review questions incorporated throughout References 75 of the most frequently used UNIX utilities in Part II Includes clearly marked sections of optional advanced material for experienced UNIX users 0805375651B04062001

A Practical Guide to UNIX System V-Mark G. Sobell 1991 This bestselling work has been revised and updated to reflect the newest release of UNIX System V, Release 4.0. Expanded coverage includes networking, variables, control structures, signal handling, and other aspects of programming using the Bourne Shell. Two chapters on word processing contain "vi", the "nroff" text formatter, and "mm" macros.

A Practical Guide to Linux Commands, Editors, and Shell Programming-Mark G. Sobell 2009-11-19 For use with all versions of Linux, including Ubuntu,™ Fedora,™ openSUSE,™ Red Hat,® Debian, Mandriva, Mint, and now OS X, too! Get more done faster, and become a true Linux guru by mastering the command line! Learn from hundreds of realistic, high-quality examples NEW! Coverage of the Mac OS X command line and its unique tools NEW! Expert primer on automating tasks with Perl The Most Useful Linux Tutorial and Reference, with Hundreds of High-Quality Examples for Every Distribution-Now Covers OS X and Perl, Too! To be truly productive with Linux, you need to thoroughly master shells and the command line. Until now, you had to buy two books to gain that mastery: a tutorial on fundamental Linux concepts and techniques, plus a separate reference. Now, there's a far better solution. Renowned Linux expert Mark Sobell has brought together comprehensive, insightful guidance on the tools system administrators, developers, and power users need most, and an outstanding day-to-day reference, both in the same book. This book is 100 percent distribution and release agnostic: You can use it with any Linux system, now and for years to come. Use Macs, too? This new edition adds comprehensive coverage of the Mac OS X command line, including essential OS X-only tools and utilities other Linux/UNIX books ignore. Packed with hundreds of high-quality, realistic examples, this book gives you Linux from the ground up: the clearest explanations and most useful knowledge about everything

from filesystems to shells, editors to utilities, and programming tools to regular expressions. Sobell has also added an outstanding new primer on Perl, the most important programming tool for Linux admins seeking to automate complex, time-consuming tasks. A Practical Guide to Linux® Commands, Editors, and Shell Programming, Second Edition, is the only book to deliver Better, more realistic examples covering tasks you'll actually need to perform Deeper insight, based on Sobell's immense knowledge of every Linux and OS X nook and cranny A start-to-finish primer on Perl for every system administrator In-depth coverage of basic and advanced Linux shell programming with bash and tcsh Practical explanations of 100 core utilities, from aspell to xargs-including Mac OS X specific utilities from ditto to SetFile All-new coverage of automating remote backups with rsync Dozens of system security tips, including step-by-step walkthroughs of implementing secure communications using ssh and scp Tips and tricks for customizing the shell and using it interactively from the command line Complete guides to high-productivity editing with both vim and emacs A comprehensive, 286-page command reference section-now with revised and expanded indexes for faster access to the information you need Instructions for updating systems automatically with apt-get and yum Dozens of exercises to help you practice and gain confidence And much more, including coverage of BitTorrent, gawk, sed, find, sort, bzip2, and regular expressions

A Practical Guide to the UNIX System-Mark G. Sobell 1984

A Practical Guide to Ubuntu Linux-Mark G. Sobell 2011 The Most Complete, Easy-to-Follow Guide to Ubuntu Linux The #1 Ubuntu server resource, fully updated for Ubuntu 10.4 (Lucid Lynx)-the Long Term Support (LTS) release many companies will rely on for years! Updated JumpStarts help you set up Samba, Apache, Mail, FTP, NIS, OpenSSH, DNS, and other complex servers in minutes Hundreds of up-to-date examples, plus comprehensive indexes that deliver instant access to answers you can trust Mark Sobell's A Practical Guide to Ubuntu Linux®, Third Edition, is the most thorough and up-to-date reference to installing, configuring, and working with Ubuntu, and also offers comprehensive coverage of servers--critical for anybody interested in unleashing the full power of Ubuntu. This edition has been fully updated for Ubuntu 10.04 (Lucid Lynx), a milestone Long Term Support (LTS) release, which Canonical

will support on desktops until 2013 and on servers until 2015. Sobell walks you through every essential feature and technique, from installing Ubuntu to working with GNOME, Samba, exim4, Apache, DNS, NIS, LDAP, g ufw, firestarter, iptables, even Perl scripting. His exceptionally clear explanations demystify everything from networking to security. You'll find full chapters on running Ubuntu from the command line and desktop (GUI), administrating systems, setting up networks and Internet servers, and much more. Fully updated JumpStart sections help you get complex servers running--often in as little as five minutes. Sobell draws on his immense Linux knowledge to explain both the "hows" and the "whys" of Ubuntu. He's taught hundreds of thousands of readers and never forgets what it's like to be new to Linux. Whether you're a user, administrator, or programmer, you'll find everything you need here--now, and for many years to come. The world's most practical Ubuntu Linux book is now even more useful! This book delivers Hundreds of easy-to-use Ubuntu examples Important networking coverage, including DNS, NFS, and Cacti Coverage of crucial Ubuntu topics such as sudo and the Upstart init daemon More detailed, usable coverage of Internet server configuration, including Apache (Web) and exim4 (email) servers State-of-the-art security techniques, including up-to-date firewall setup techniques using gufw and iptables, and a full chapter on OpenSSH A complete introduction to Perl scripting for automated administration Deeper coverage of essential admin tasks--from managing users to CUPS printing, configuring LANs to building a kernel Complete instructions on keeping Ubuntu systems up-to-date using aptitude, Synaptic, and the Software Sources window And much more...including a 500+ term glossary Includes DVD! Get the full version of Lucid Lynx, the latest Ubuntu LTS release! UNIX Internals--Steve D. Pate 1996 SCO UNIX is the leading brand of UNIX for PCs with nearly 40% of the worldwide share of UNIX installations. This book is based on the forthcoming release of SCO UNIX and provides a practical hands-on approach to mastering UNIX internals. Features provides numerous examples in C-Shell script and assembly language showing where to find and process kernel structures, system files, executable file formats, memory, file and process management includes a detailed description of hardware dependent parts of the kernel makes a detailed exploration of how the bootstrap and kernel routines set up and use the

hardware feature each chapter uses the most appropriate tools available, including adb, crash, fs db, kmem and nlist to demonstrate the topics under discussion, how they work and how to extract the required information
A Practical Guide to Fedora and Red Hat Enterprise Linux--Mark G. Sobell 2010-02-11
Master All the Techniques You Need to Succeed with Fedora and Red Hat Enterprise Linux Set up key Internet servers, step by step, including Samba, Apache, sendmail, DNS, FTP, and other Internet servers Automate and streamline administration with this edition's outstanding new chapter on Perl scripting Master GUI-based admin tools and the powerful Linux command line (CLI) In this book, one of the world's leading Linux experts brings together all the knowledge you'll need to succeed with Fedora or Red Hat Enterprise Linux in any real-world environment. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you'll actually use as an administrator, user, or programmer. Sobell assumes no prior Linux knowledge. He starts at the beginning and walks you through every topic and task that matters, using easy-to-understand examples. Step by step, you'll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interfaces, provide file/print sharing and Internet services, make sure Linux desktops and networks are as secure as possible, work with the powerful command line, administer Linux efficiently, and even automate administration with Perl scripts. Mark Sobell has taught hundreds of thousands of Linux and UNIX professionals. He knows every Linux nook and cranny--and he never forgets what it's like to be new to Linux. Whatever you'll want to do with Linux--now or in the future--this book gives you everything you'll need. Compared with the other Linux books out there, A Practical Guide to Fedora™ and Red Hat® Enterprise Linux®, Fifth Edition, delivers Complete, up-to-the-minute coverage of Fedora 12 and RHEL 5 Deeper coverage of the command line and the newest GUIs, including desktop customization More practical coverage of file sharing using Samba, NFS, and FTP More and better coverage of automating administration with Perl More usable, realistic coverage of Internet server configuration, including Apache, sendmail, NFS, DNS/BIND, and LDAP More state-of-the-art security techniques, including SELinux (Security Enhanced Linux), ACLs (Access Control Lists), firewall setup using both the Red Hat GUI and iptables, and a full chapter on OpenSSH More

and better coverage of system/network administration tasks, including new coverage of network monitoring with Cacti Complete instructions on keeping Linux systems up-to-date using yum And much more, including a 500+ term glossary and a comprehensive index Includes DVD! Get the full version of the Fedora 12 release!

Hands on UNIX-Mark Williams 1994

Guide to UNIX Using Linux-Michael Palmer

2007-08-16 Written with a clear, straightforward writing style and packed with step-by-step

projects for direct, hands-on learning, Guide to UNIX Using Linux, 4E is the perfect resource for

learning UNIX and Linux from the ground up.

Through the use of practical examples, end-of-

chapter reviews, and interactive exercises,

novice users are transformed into confident

UNIX/Linux users who can employ utilities,

master files, manage and query data, create

scripts, access a network or the Internet, and

navigate popular user interfaces and software.

The updated 4th edition incorporates coverage of

the latest versions of UNIX and Linux, including

new versions of Red Hat, Fedora, SUSE, and

Ubuntu Linux. A new chapter has also been

added to cover basic networking utilities, and

several other chapters have been expanded to

include additional information on the KDE and

GNOME desktops, as well as coverage of the

popular OpenOffice.org office suite. With a

strong focus on universal UNIX and Linux

commands that are transferable to all versions of

Linux, this book is a must-have for anyone

seeking to develop their knowledge of these

systems. Important Notice: Media content

referenced within the product description or the

product text may not be available in the ebook

version.

Practical UNIX and Internet Security-Simson

Garfinkel 2003-02-21 When Practical Unix

Security was first published more than a decade

ago, it became an instant classic. Crammed with

information about host security, it saved many a

Unix system administrator from disaster. The

second edition added much-needed Internet

security coverage and doubled the size of the

original volume. The third edition is a

comprehensive update of this very popular book -

a companion for the Unix/Linux system

administrator who needs to secure his or her

organization's system, networks, and web

presence in an increasingly hostile

world.Focusing on the four most popular Unix

variants today--Solaris, Mac OS X, Linux, and

FreeBSD--this book contains new information on

PAM (Pluggable Authentication Modules), LDAP, SMB/Samba, anti-theft technologies, embedded systems, wireless and laptop issues, forensics, intrusion detection, chroot jails, telephone scanners and firewalls, virtual and cryptographic filesystems, WebNFS, kernel security levels, outsourcing, legal issues, new Internet protocols and cryptographic algorithms, and much more.Practical Unix & Internet Security consists

of six parts: Computer security basics:

introduction to security problems and solutions,

Unix history and lineage, and the importance of

security policies as a basic element of system

security. Security building blocks: fundamentals

of Unix passwords, users, groups, the Unix

filesystem, cryptography, physical security, and

personnel security. Network security: a detailed

look at modem and dialup security, TCP/IP,

securing individual network services, Sun's RPC,

various host and network authentication systems

(e.g., NIS, NIS+, and Kerberos), NFS and other

filesystems, and the importance of secure

programming. Secure operations: keeping up to

date in today's changing security world, backups,

defending against attacks, performing integrity

management, and auditing. Handling security

incidents: discovering a break-in, dealing with

programmed threats and denial of service

attacks, and legal aspects of computer security.

Appendixes: a comprehensive security checklist

and a detailed bibliography of paper and

electronic references for further reading and

research. Packed with 1000 pages of helpful text,

scripts, checklists, tips, and warnings, this third

edition remains the definitive reference for Unix

administrators and anyone who cares about

protecting their systems and data from today's

threats.

Unix in a Nutshell-Arnold Robbins 2005-10-26 As

an open operating system, Unix can be improved

on by anyone and everyone: individuals,

companies, universities, and more. As a result,

the very nature of Unix has been altered over the

years by numerous extensions formulated in an

assortment of versions. Today, Unix encompasses

everything from Sun's Solaris to Apple's Mac OS

X and more varieties of Linux than you can easily

name. The latest edition of this bestselling

reference brings Unix into the 21st century. It's

been reworked to keep current with the broader

state of Unix in today's world and highlight the

strengths of this operating system in all its

various flavors. Detailing all Unix commands and

options, the informative guide provides generous

descriptions and examples that put those

commands in context. Here are some of the new

features you'll find in Unix in a Nutshell, Fourth Edition: Solaris 10, the latest version of the SVR4-based operating system, GNU/Linux, and Mac OS X Bash shell (along with the 1988 and 1993 versions of ksh) tsch shell (instead of the original Berkeley csh) Package management programs, used for program installation on popular GNU/Linux systems, Solaris and Mac OS X GNU Emacs Version 21 Introduction to source code management systems Concurrent versions system Subversion version control system GDB debugger As Unix has progressed, certain commands that were once critical have fallen into disuse. To that end, the book has also dropped material that is no longer relevant, keeping it taut and current. If you're a Unix user or programmer, you'll recognize the value of this complete, up-to-date Unix reference. With chapter overviews, specific examples, and detailed command.

Practical UNIX-Steve Moritsugu 2000 A guide to the operating system's practical applications covers listing, finding, displaying, printing, security, editing, Emacs, and writing Bourne Shell Scripts and Perl programs UNIX Systems Programming-Kay A. Robbins 2003 bull; Learn UNIX essentials with a concentration on communication, concurrency, and multithreading techniques bull; Full of ideas on how to design and implement good software along with unique projects throughout bull; Excellent companion to Stevens' Advanced UNIX System Programming

Learning the Unix Operating System-Jerry Peek 2002 A handy book for someone just starting with Unix or Linux, and an ideal primer for Mac and PC users of the Internet who need to know a little about Unix on the systems they visit. The most effective introduction to Unix in print, covering Internet usage for email, file transfers, web browsing, and many major and minor updates to help the reader navigate the ever-expanding capabilities of the operating system. Absolute OpenBSD, 2nd Edition-Michael W. Lucas 2013-04-15 OpenBSD, the elegant, highly secure Unix-like operating system, is widely used as the basis for critical DNS servers, routers, firewalls, and more. This long-awaited second edition of Absolute OpenBSD maintains author Michael Lucas's trademark straightforward and practical approach that readers have enjoyed for years. You'll learn the intricacies of the platform, the technical details behind certain design decisions, and best practices, with bits of humor sprinkled throughout. This edition has been completely updated for OpenBSD 5.3, including

new coverage of OpenBSD's boot system, security features like W^X and ProPolice, and advanced networking techniques. You'll learn how to: -Manage network traffic with VLANs, trunks, IPv6, and the PF packet filter -Make software management quick and effective using the ports and packages system -Give users only the access they need with groups, sudo, and chroots -Configure OpenBSD's secure implementations of SNMP, DHCP, NTP, hardware sensors, and more -Customize the installation and upgrade processes for your network and hardware, or build a custom OpenBSD release Whether you're a new user looking for a complete introduction to OpenBSD or an experienced sysadmin looking for a refresher, Absolute OpenBSD, 2nd Edition will give you everything you need to master the intricacies of the world's most secure operating system.

A Practical Guide to Red Hat Linux 8-Mark G. Sobell 2003-01 A guide to Linux covers such topics as logging in, compressing files, using the command line, scripting, and security. The Underground Guide to UNIX-John Montgomery 1995-01-01 Covering all versions of the UNIX operating system, this irreverent look at how to get things done discusses the mysteries of the file system, customizing any UNIX environment, preventing and surviving UNIX disasters, and much more. Original. (Advanced). A Practical Guide to the UNIX System-Mark G. Sobell 1995 Includes complete chapters on the Korn Shell, the emacs text editor, and the vi editor Contains a new chapter on Networking with coverage of many network structures and commands as well as detailed instruction on accessing the Internet usingarchie and gopher, how to transfer files using FTP, and a section on World Wide Web and Mosaic Provides a new chapter on Graphical User Interfaces that discusses GUI components, the X Window System, and using and customizing Motif Examines the make, SCCS, RCS, awk, and sed programming tools Features detailed chapters on the Bourne and C shells with explanations of how to write shell programs (shell scripts) Includes an in-depth chapter on the Korn shell that covers writing shell scripts and advanced concepts including recursion and the coprocess Offers a quick overview of the UNIX system in Chapter 1 Provides coverage of text editing, electronic mail, shell programming, and other applications with examples, exercises, sample screens, and review questions incorporated throughout References 75 of the most frequently used UNIX utilities in

Part II Includes clearly marked sections of optional advanced material for experienced UNIX users 0805375651B04062001

The Art of UNIX Programming-Eric S. Raymond 2003-09-23 The Art of UNIX Programming poses the belief that understanding the unwritten UNIX engineering tradition and mastering its design patterns will help programmers of all stripes to become better programmers. This book attempts to capture the engineering wisdom and design philosophy of the UNIX, Linux, and Open Source software development community as it has evolved over the past three decades, and as it is applied today by the most experienced programmers. Eric Raymond offers the next generation of "hackers" the unique opportunity to learn the connection between UNIX philosophy and practice through careful case studies of the very best UNIX/Linux programs. The Mac OS X Command Line-Kirk McElhearn 2006-12-26 The Mac command line offers a faster, easier way to accomplish many tasks. It's also the medium for many commands that aren't accessible using the GUI. The Mac OS X Command Line is a clear, concise, tutorial-style introduction to all the major functionality provided by the command line. It's also packed with information the experienced users need, including little-known shortcuts and several chapters devoted to advanced topics. This is a book to get you started, but also a book you won't soon outgrow.

Halting the Hacker-Donald L. Pipkin 2003 Get into the hacker's mind--and outsmart him! Fully updated for the latest threats, tools, and countermeasures Systematically covers proactive, reactive, and preemptive security measures Detailed, step-by-step techniques for protecting HP-UX, Linux, and UNIX systems "Takes on even more meaning now than the original edition!" --Denny Georg, CTO, Information Technology, Hewlett-Packard Secure your systems against today's attacks--and tomorrow's. Halting the Hacker: A Practical Guide to Computer Security, Second Edition combines unique insight into the mind of the hacker with practical, step-by-step countermeasures for protecting any HP-UX, Linux, or UNIX system. Top Hewlett-Packard security architect Donald L. Pipkin has updated this global bestseller for today's most critical threats, tools, and responses. Pipkin organizes this book around the processes hackers use to gain access, privileges, and control--showing you exactly how they work and the best ways to respond. Best of all, Pipkin doesn't just tell you

what to do, but why. Using dozens of new examples, he gives you the skills and mindset to protect yourself against any current exploit--and attacks that haven't even been imagined yet. How hackers select targets, identify systems, gather information, gain access, acquire privileges, and avoid detection How multiple subsystems can be used in harmony to attack your computers and networks Specific steps you can take immediately to improve the security of any HP-UX, Linux, or UNIX system How to build a secure UNIX system from scratch--with specifics for HP-UX and Red Hat Linux Systematic proactive, reactive, and preemptive security measures Security testing, ongoing monitoring, incident response, and recovery--in depth Legal recourse: What laws are being broken, what you need to prosecute, and how to overcome the obstacles to successful prosecution About the CD-ROM The accompanying CD-ROM contains an extensive library of HP-UX and Linux software tools for detecting and eliminating security problems and a comprehensive information archive on security-related topics. Parsing Techniques-Dick Grune 2007-10-29 This second edition of Grune and Jacobs' brilliant work presents new developments and discoveries that have been made in the field. Parsing, also referred to as syntax analysis, has been and continues to be an essential part of computer science and linguistics. Parsing techniques have grown considerably in importance, both in computer science, ie. advanced compilers often use general CF parsers, and computational linguistics where such parsers are the only option. They are used in a variety of software products including Web browsers, interpreters in computer devices, and data compression programs; and they are used extensively in linguistics.

UNIX Shells by Example-Ellie Quigley 2005 Presents an introduction to the three major Unix shells and the Linux shells along with a discussion of tools, regular expressions, and quoting rules.

Guide to UNIX Using Linux-Michael J. Palmer 2005 Hands-on, practical guide that teaches the fundamentals of the UNIX operating system concepts, architecture and administration using Linux.

Learning the bash Shell-Cameron Newham 2005-03-29 O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the

latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell. As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides. If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security UNIX System Administration Handbook-Evi Nemeth 2000-08-29 Now covers Red Hat Linux! Written by Evi Nemeth, Garth Snyder, Scott Seebass, and Trent R. Hein with Adam Boggs, Rob Braun, Ned McClain, Dan Crawl, Lynda McGinley, and Todd Miller "This is not a nice, neat book for a nice, clean world. It's a nasty book for a nasty world. This is a book for the rest of us." -Eric Allman and Marshall Kirk McKusick "I am pleased to welcome Linux to the UNIX System Administration Handbook!" -Linus Torvalds, Transmeta "This book is most welcome!" -Dennis Ritchie, AT&T Bell Laboratories This new edition of the world's most comprehensive guide to UNIX system administration is an ideal tutorial for those new to administration and an invaluable reference for experienced professionals. The third edition has been expanded to include "direct from the frontlines" coverage of Red Hat Linux. UNIX System Administration Handbook describes

every aspect of system administration—from basic topics to UNIX esoterica—and provides explicit coverage of four popular UNIX systems: This book stresses a practical approach to system administration. It's packed with war stories and pragmatic advice, not just theory and watered-down restatements of the manuals. Difficult subjects such as sendmail, kernel building, and DNS configuration are tackled head-on. Examples are provided for all four versions of UNIX and are drawn from real-life systems—warts and all. "This book is where I turn first when I have system administration questions. It is truly a wonderful resource and always within reach of my terminal." -W. Richard Stevens, author of numerous books on UNIX and TCP/IP "This is a comprehensive guide to the care and feeding of UNIX systems. The authors present the facts along with seasoned advice and numerous real-world examples. Their perspective on the variations among systems is valuable for anyone who runs a heterogeneous computing facility." -Pat Parseghian, Transmeta "We noticed your book on the staff recommendations shelf at our local bookstore: 'Very clear, a masterful interpretation of the subject.' We were most impressed, until we noticed that the same staff member had also recommended Aunt Bea's Mayberry Cookbook." -Shannon Bloomstran, history teacher Mastering Linux Shell Scripting,-Mokhtar Ebrahim 2018-04-19 Master the complexities of Bash shell scripting and unlock the power of shell for your enterprise Key Features Identify high-level steps such as verifying user input Using the command line and conditional statements in creating/executing simple shell scripts Create and edit dynamic shell scripts to manage complex and repetitive tasks Leverage the command-line to bypass GUI and automate common tasks Book Description In this book, you'll discover everything you need to know to master shell scripting and make informed choices about the elements you employ. Grab your favorite editor and start writing your best Bash scripts step by step. Get to grips with the fundamentals of creating and running a script in normal mode, and in debug mode. Learn about various conditional statements' code snippets, and realize the power of repetition and loops in your shell script. You will also learn to write complex shell scripts. This book will also deep dive into file system administration, directories, and system administration like networking, process management, user authentications, and package installation and regular expressions.

Towards the end of the book, you will learn how to use Python as a BASH Scripting alternative. By the end of this book, you will know shell scripts at the snap of your fingers and will be able to automate and communicate with your system with keyboard expressions. What you will learn Make, execute, and debug your first Bash script Create interactive scripts that prompt for user input Foster menu structures for operators with little command-line experience Develop scripts that dynamically edit web configuration files to produce a new virtual host Write scripts that use AWK to search and reports on log files Draft effective scripts using functions as building blocks, reducing maintenance and build time Make informed choices by comparing different script languages such as Python with BASH Who this book is for If you are a Linux administrator or a system administrator and are interested in automating tasks in your daily lives, saving time and effort, this book is for you. Basic shell scripting and command-line experience will be required. Familiarity with the tasks you need to automate will be helpful.

TCP/IP Sockets in C-Michael J. Donahoe 2009-03-02 TCP/IP Sockets in C: Practical Guide for Programmers, Second Edition is a quick and affordable way to gain the knowledge and skills needed to develop sophisticated and powerful web-based applications. The book's focused, tutorial-based approach enables the reader to master the tasks and techniques essential to virtually all client-server projects using sockets in C. This edition has been expanded to include new advancements such as support for IPv6 as well as detailed defensive programming strategies. If you program using Java, be sure to check out this book's companion, TCP/IP Sockets in Java: Practical Guide for Programmers, 2nd Edition. Includes completely new and expanded sections that address the IPv6 network environment, defensive programming, and the select() system call, thereby allowing the reader to program in accordance with the most current standards for internetworking. Streamlined and concise tutelage in conjunction with line-by-line code commentary allows readers to quickly program web-based applications without having to wade through unrelated and discursive networking tenets.

UNIX and Linux System Administration Handbook-Evi Nemeth 2017-09-14 "As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System Administration Handbook is one of the

few books we ever measured ourselves against." —Tim O'Reilly, founder of O'Reilly Media "This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive."

—Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security "This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems' history but doesn't bloviate. It's just straight-forward information delivered in a colorful and memorable fashion." —Jason A. Nunnelley UNIX® and Linux® System Administration Handbook, Fifth Edition, is today's definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or Linux, this conversational, well-written guide will improve your efficiency and help solve your knottiest problems.

UNIX Administration-Bozidar Levi 2002-05-29 To configure and maintain an operating system is serious business. With UNIX and its wide variety of "flavors," it can be especially difficult and frustrating, and networking with UNIX adds still more challenges. UNIX Administration: A Comprehensive Sourcebook for Effective Systems & Network Management is a one-stop handbook for the administration and maintenance of UNIX systems and networks. With an outstanding balance of concepts and practical matters, it covers the entire range of administrative tasks, from the most basic to the advanced, from system startup and shutdown to network security and kernel reconfiguration. While focusing on the

primary UNIX platforms, the author discusses all of the most common UNIX “flavors,” including Solaris, Linux, HP-UX, AIX and SGI IRIX. Three chapters of case studies offer a practical look at UNIX implementation issues: UNIX installation, disk space upgrade, and several emergency situations that every administrator must expect to face at some point. Diverse yet detailed, filled with examples and specific procedures, this is the one book that both the novice and the seasoned professional need to learn UNIX administration and effectively perform their daily system and network-related duties.

Unix Shell Programming-Stephen G. Kochan

2003-02-27 Unix Shell Programming is a tutorial aimed at helping Unix and Linux users get optimal performance out of their operating system. It shows them how to take control of their systems and work efficiently by harnessing the power of the shell to solve common problems. The reader learns everything he or she needs to know to customize the way a Unix system responds. The vast majority of Unix users utilize the Korn shell or some variant of the Bourne shell, such as bash. Three are covered in the third edition of Unix Shell Programming. It begins with a generalized tutorial of Unix and tools and then moves into detailed coverage of shell programming. Topics covered include: regular expressions, the kernel and the utilities, command files, parameters, manipulating text filters, understanding and debugging shell scripts, creating and utilizing variables, tools, processes, and customizing the shell.

Python for Unix and Linux System

Administration-Noah Gift 2008-08-22 Python is an ideal language for solving problems, especially in Linux and Unix networks. With this pragmatic book, administrators can review various tasks that often occur in the management of these systems, and learn how Python can provide a more efficient and less painful way to handle them. Each chapter in Python for Unix and Linux System Administration presents a particular administrative issue, such as concurrency or data backup, and presents Python solutions through hands-on examples. Once you finish this book, you'll be able to develop your own set of command-line utilities with Python to tackle a wide range of problems. Discover how this language can help you: Read text files and extract information Run tasks concurrently using the threading and forking options Get information from one process to another using network facilities Create clickable GUIs to handle large and complex utilities Monitor large clusters

of machines by interacting with SNMP programmatically Master the IPython Interactive Python shell to replace or augment Bash, Korn, or Z-Shell Integrate Cloud Computing into your infrastructure, and learn to write a Google App Engine Application Solve unique data backup challenges with customized scripts Interact with MySQL, SQLite, Oracle, Postgres, Django ORM, and SQLAlchemy With this book, you'll learn how to package and deploy your Python applications and libraries, and write code that runs equally well on multiple Unix platforms. You'll also learn about several Python-related technologies that will make your life much easier.

Linux and UNIX Shell Programming-D. S. W.

Tansley 2000 Learn how to create and develop shell scripts in a step-by-step manner increasing your knowledge as you progress through the book. Learn how to work the shell commands so you can be more productive and save you time.

Shell Programming in Unix, Linux and OS X-

Stephen G. Kochan 2016-08-30 Shell

Programming in Unix, Linux and OS X is a thoroughly updated revision of Kochan and Wood's classic Unix Shell Programming tutorial. Following the methodology of the original text, the book focuses on the POSIX standard shell, and teaches you how to develop programs in this useful programming environment, taking full advantage of the underlying power of Unix and Unix-like operating systems. After a quick review of Unix utilities, the book's authors take you step-by-step through the process of building shell scripts, debugging them, and understanding how they work within the shell's environment. All major features of the shell are covered, and the large number of practical examples make it easy for you to build shell scripts for your particular applications. The book also describes the major features of the Korn and Bash shells. Learn how to... Take advantage of the many utilities provided in the Unix system Write powerful shell scripts Use the shell's built-in decision-making and looping constructs Use the shell's powerful quoting mechanisms Make the most of the shell's built-in history and command editing capabilities Use regular expressions with Unix commands Take advantage of the special features of the Korn and Bash shells Identify the major differences between versions of the shell language Customize the way your Unix system responds to you Set up your shell environment Make use of functions Debug scripts Contents at a Glance 1 A Quick Review of the Basics 2 What Is the Shell? 3 Tools of the Trade 4 And Away We Go 5 Can I Quote You on That? 6 Passing

Arguments 7 Decisions, Decisions 8 'Round and 'Round She Goes 9 Reading and Printing Data 10 Your Environment 11 More on Parameters 12 Loose Ends 13 Rolo Revisited 14 Interactive and Nonstandard Shell Features A Shell Summary B For More Information

Practical UNIX Programming-Kay A. Robbins 1996 Well written and comprehensive, this book explains complicated topics such as signals and concurrency in a simple, easy-to-understand manner. The book offers an abundance of practical examples and exercises. This book is comparable to other best-selling UNIX books, such as UNIX Network Programming, by Richard Stevens. Covers fundamentals, asynchronous events, concurrency, and communication. For programmers in need of a better understanding of UNIX systems programming.

UNIX Filesystems-Steve D. Pate 2003-02-17 Covers all versions of UNIX, as well as Linux, operating systems that are used by the majority of Fortune 1000 companies for their mission-critical data Offers more detail than other books on the file input/output aspects of UNIX programming Describes implementation of UNIX filesystems over a thirty year period Demonstrates VERITAS and other filesystem examples

UNIX: The Complete Reference, Second Edition-Kenneth Rosen 2006-12-19 The Definitive UNIX Resource--Fully Updated Get cutting-edge coverage of the newest releases of UNIX--including Solaris 10, all Linux distributions, HP-UX, AIX, and FreeBSD--from this thoroughly revised, one-stop resource for users at all experience levels. Written by UNIX experts with many years of experience starting with Bell Laboratories, UNIX: The Complete Reference, Second Edition provides step-by-step instructions on how to use UNIX and take advantage of its powerful tools and utilities. Get up-and-running

on UNIX quickly, use the command shell and desktop, and access the Internet and e-mail. You'll also learn to administer systems and networks, develop applications, and secure your UNIX environment. Up-to-date chapters on UNIX desktops, Samba, Python, Java Apache, and UNIX Web development are included. Install, configure, and maintain UNIX on your PC or workstation Work with files, directories, commands, and the UNIX shell Create and modify text files using powerful text editors Use UNIX desktops, including GNOME, CDE, and KDE, as an end user or system administrator Use and manage e-mail, TCP/IP networking, and Internet services Protect and maintain the security of your UNIX system and network Share devices, printers, and files between Windows and UNIX systems Use powerful UNIX tools, including awk, sed, and grep Develop your own shell, Python, and Perl scripts, and Java, C, and C++ programs under UNIX Set up Apache Web servers and develop browser-independent Web sites and applications

UNIX Power Tools-Jerry D. Peek 1994 UNIX System V Network Programming-Stephen A. Rago 1993 Don't miss this guide to building networked and distributed applications for UNIX® System V. Using many helpful examples, the author provides a solid introduction to networking and UNIX programming, plus information on the programming interfaces most important to building communication software in System V, such as STREAMS, the Transport Layer Interface library, Sockets, and Remote Procedure Calls. The book also explains how to write kernel-level communication software, including STREAMS drivers, modules, and multiplexors. A final chapter on SLIP is essential reading.