Unix Commands By Example A Desktop Reference For Unixware Solairs And Sco Unixware Solaris And Sco Unix

Unix has always been a fascinating subject. It allows you to experiment and play with programs to get interesting results. More over with Linux you can make best use of the graphics interface. Various chapters in the book take you around the many aspects of basic Unix commands, shell scripts and editing files with the help of commands. The Book is meant for beginners as well as experienced users. The goal of this book is to help the students of B. Sc. (Comp. Sc.), B. Sc. (I.T.), Engineering and Diploma in computer science/ Information Technology. I feel that there is room for improvement in every work. Suggestions regarding the improvement are always welcomed.

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 using archie 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 0805375651BO4062001 UNIX for OpenVMS Users, 3E, makes it easy to see what OpenVMS and UNIX have in common, and to transfer your knowledge and experience in OpenVMS over to the world of UNIX. Since most shops rely on more than one operating system, it is critical for system administrators and managers to understand the similarities and differences between platforms, so they can easily work in both environments while taking full advantage of the tools and applications available on each. This book offers OpenVMS professionals a concise source of information, so that they can quickly bring their expertise to bear on UNIX file management, e-mail, networking, and security. This new edition of the book is enhanced with updated references to VMS, incorporates suggestions made by readers of previous editions, and particularly, recognizes other UNIX implementations in addition to HP's Tru64. Includes extensive additions to the sections on VMS logical names, on the emacs editor, and on shell programming and Perl Describes the interfaces common to both operating systems, with appendices covering command and editor summaries Adds emphasis on Linux You've experienced the shiny, point-and-click surface of your Linux computer--now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell (or command line). Along the way you'll learn the timeless skills handed down by generations of experienced, mouse-shunning gurus: file navigation, environment configuration,

command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: • Create and delete files, directories, and symlinks • Administer your system, including networking, package installation, and process management • Use standard input and output, redirection, and pipelines • Edit files with Vi, the world's most popular text editor • Write shell scripts to automate common or boring tasks • Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust.

Beneath Mac OS X Tiger's easy-to-use Aqua interface lies a powerful Unix engine. Mac users know that Unix is at their fingertips, if only they knew how to access it. Learning Unix for Mac OS X Tiger provides Mac users with a user-friendly tour of the Unix world concealed beneath Mac OS X's hood and shows how to make the most use of the command-line tools.Thoroughly revised and updated for Mac OS X Tiger, this new edition introduces Mac users to the Terminal application and shows you how to navigate the command interface, explore hundreds of Unix applications that come with the Mac, and, most importantly, how to take advantage of both the Mac and Unix interfaces. Readers will learn how to: Launch and configure the Terminal application Customize the shell environment Manage files and directories Search with Spotlight from the command line Edit and create text files with vi and Pico Perform remote logins Access internet functions, and much more. Learning Unix for Mac OS X Tiger

is a clear, concise introduction to what you need to know to learn the basics of Unix on Tiger. If you want to master the command-line, this gentle guide to using Unix on Mac OS X Tiger is well worth its cover price.

Data Analysis and Prediction Algorithms with R

A Complete Introduction

A Practical Guide to UNIX for Mac OS X Users

Classic Shell Scripting

A Dictionary for High-Level Computing

A Desktop Reference for Solaris, UnixWare, and SCO UNIX

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.

This compact and practice-oriented text covers features of UNIX as an operating system and classifies the entire UNIX commands into 15 categories. Separate chapters are devoted to essential commands for: interacting with UNIX, handling files and directories, security, mail and remote communication, UNIX enhancement, and system administration under SCO UNIX followed by troubleshooting hints for super users.There is an exhaustive coverage for system administration of UNIX system, generally available under all versions and releases of UNIX, particularly from AT & T UNIX to system V release 3.0.The book is ideally suited for the undergraduate and diploma level students of computer science and computer application courses.

Essential System Administration,3rd Edition is the definitive guide for Unix system

administration, covering all the fundamental and essential tasks required to run such divergent Unix systems as AIX, FreeBSD, HP-UX, Linux, Solaris, Tru64 and more. Essential System Administration provides a clear, concise, practical guide to the real-world issues that anyone responsible for a Unix system faces daily.The new edition of this indispensable reference has been fully updated for all the latest operating systems. Even more importantly, it has been extensively revised and expanded to consider the current system administrative topics that administrators need most. Essential System Administration,3rd Edition covers: DHCP, USB devices, the latest automation tools, SNMP and network management, LDAP, PAM, and recent security tools and techniques.Essential System Administration is comprehensive. But what has made this book the guide system administrators turn to over and over again is not just the sheer volume of valuable information it provides, but the clear, useful way the information is presented. It discusses the underlying higher-level concepts, but it also provides the details of the procedures needed to carry them out. It is not organized around the features of the Unix operating system, but around the various facets of a system administrator's job. It describes all the usual administrative tools that Unix provides, but it also shows how to use them intelligently and efficiently.Whether you use a standalone Unix

by-step guide will inspire and inform non-programmers about the essential aspects of Unix and Perl. It shows how, with just a little programming knowledge, you can write programs that could save you hours, or even days. No prior experience is required and new concepts are introduced using numerous code examples that you can try out for yourself. Going beyond the basics, the authors touch upon many broader topics that will help those new to programming, including debugging and how to write in a good programming style. 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 Shell scripting skills never go out of style. It's the shell that unlocks the real potential of Unix. Shell scripting is essential for Unix users and system administrators-a way to quickly harness and customize the full power of any Unix system. With shell scripts, you can combine the fundamental Unix text and file processing commands to crunch data and automate repetitive tasks. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. Classic Shell Scripting is written to help you reliably navigate these tricky waters.Writing shell scripts requires more than just a knowledge of the shell language, it also requires familiarity with the individual Unix programs: why each one is there, how to use them by themselves, and in combination with the other programs.

The authors are intimately familiar with the tips and tricks that can be used to create excellent scripts, as well as the traps that can make your best effort a bad shell script. With Classic Shell Scripting you'll avoid hours of wasted effort. You'll learn not only write useful shell scripts, but how to do it properly and portably.The ability to program and customize the shell quickly, reliably, and portably to get the best out of any individual system is an important skill for anyone operating and maintaining Unix or Linux systems. Classic Shell Scripting gives you everything you need to master these essential skills.

Introduction to Unix and Shell Programming is designed to be an introductory first-level book for a course on Unix. Organised into twelve simple chapters, the book guides the students from the basic introduction to the Unix operating system and ext.

UNIX platforms Solaris��, SCO UNIX��, and UnixWare��, focuses on the most useful user-level commands. Unlike the standard UNIX manual, it simplifies the understanding of each command by providing numerous real-world examples for each command described. KEY TOPICS: Provides clear and accessible, alphabetically-organized descriptions of over 50 of the most important user-level UNIX commands; and contains over 400 examples of commands, flags, options, and environment variables. Contains an introduction to Bourne and Korn shell programming for users with no prior programming experience, and offers

detailed examples on using two of the UNIX systems' most powerful features: shell programming and the vi editor. MARKET: A reference for beginning to intermediate-level UNIX users.

Introduction to the Command Line (Second Edition)

Introduction to Unix and Shell Programming

UNIX For Dummies

A Practical Guide to the UNIX System

The Top Fifty UNIX Commands

The UNIX and X Command Compendium

This book shows how UNIX can be used effectively in the preparation of written documents, especially in the process of producing book-length documents, i.e. typesetting. As this book will demonstrate the tools available in the UNIX environment, it is also valuable to examine text processing in terms of problems and solutions: the problems faced by a writer undertaking a large writing project and the solutions offered by using the resources and power of a computer system.

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.

Describes the most useful UNIX commands and covers

Unixware Solaris And Sco Unix the System V UNIX system and the Berkeley UNIX system. In addition to listing the commands and definitions, the book includes examples that illustrate the use of the commands. Covers core commands, making it easier for the novice to distinguish between the essential and the extraneous. Summaries of several key subsystems -- vi, awk, sed, shells, text processing -- will make it easier for intermediate and advanced users to find important information.Includes synopses and examples as well as Editor Command charts for vi and ed texts, Command Syntax charts, and MS DOS to UNIX cross references.

PART I. 1. INTRODUCTION. Why Unix? Computer System. The UNIX Environment. UNIX Structure. Accessing UNIX. Commands. Common Commands. Other Useful Commands. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 2. BASIC vi EDITOR. Editor Concepts. The vi Editor. Modes. Commands. Two Practice Sessions. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 3. FILE SYSTEMS. Filenames. File Types. Regular Files. Directories. File System Implementation. Operations Unique to Directories. Operations Unique to Regular Files. Operations Common to Both. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions 4. SECURITY AND FILE PERMISSION. Users and Groups. Security Levels. Changing Permissions. User Masks. Changing Ownership and Group. Key Terms. Commands. Tips. Summary. Practice Set. Lab Sessions.

5. INTRODUCTION TO SHELLS. UNIX Session. Standard Streams. Redirection. Pipes. tee Command. Command Execution. Command-Line Editing. Quotes. Command Substitution. Job control. Aliases. Variables. Predefined Variables. Options. Shell/Environment Customization. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 6. FILTERS. Filters and Pipes. Concatenating Files. Display Beginning and End of Files. Cut and Paste. Sorting. Translating Characters. Files with Duplicate Lines. Count Characters, Words, or Lines. Comparing Files. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 7. COMMUNICATIONS. User Communication. Electronic Mail. Remote Access. File Transfer. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 8. vi AND ex. vi Editor. Local Commands in vi. Range Commands in vi. Global Commands in vi. Rearrange Text in vi. ex Editor. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 9. REGULAR EXPRESSIONS. Atoms. Operators. Key Terms. Tips. Commands. Summary. Practice Set. 10. grep. Operation. grep Family. Examples. Searching for File Content. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 11. sed. Scripts. Operations. Addresses. Commands. Applications. grep and sed. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 12. awk. Execution. Fields and Records. Scripts. Operations. Patterns. Actions. Associative Arrays. String Functions. Mathematical Functions. User-

Defined Functions. Using System Commands in awk. Applications. awk and grep. sed and awk. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. PART II. 13. INTERACTIVE KORN SHELL. Korn Shell Features. Two Special Files. Variables. Output. Input. Exit Status of a Command. eval Command. Environmental Variables. Options. Startup Scripts. Command History. Command Execution Process. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 14. KORN SHELL PROGRAMMING. Basic Script Concepts. Expressions. Decisions: Making Selections. Repetition. Special Parameters and Variables. Changing Positional Parameters. Argument Validation. Debugging Scripts. Script Examples. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 15. KORN SHELL ADVANCED PROGRAMMING. Variable Evaluation and Substitution. String Manipulation. Here Document. Functions. Arrays. Signals. Built-in Commands. Scripting Techniques. Shell Environment and Script. Script Examples. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 16. INTERACTIVE C SHELL. C Shell Features. Two Special Files. Variables. Output. Input. Exit Status of a Command. eval Command. Environmental Variables. On-Off Variables. Startup and Shutdown Scripts. Command History. Command Execution Scripts. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 17. C SHELL PROGRAMMING. Basic Script

Concepts. Expressions. Decisions: Making Selections. Repetition. Special Parameters. Changing Positional Parameters. Argument Validation. Debugging Scripts. Script Examples. Key Terms. Tips. Commands. Summary. Practice Set. Lab Sessions. 18. C SHELL ADVANCED PROGRAMMING. Variable Evaluation. String Manipulation. Here Docum

Introduces the UNIX environment for the Mac OS X and explains how to set up and configure the Terminal application; how to manage, create, and edit files; and how to navigate the Internet.

A Textbook

The Linux Command Line

Practical UNIX

BSD UNIX Toolbox

The Fat Free Guide to Unix and Linux Commands

Going Deep With the Terminal and Shell

By its very nature, Unix is a " power tools " environment. Even beginning Unix users quickly grasp that immense power exists in shell programming, aliases and history mechanisms, and various editing tools. Nonetheless, few users ever really master the power available to them with Unix. There is just too much to learn! Unix Power Tools, Third Edition, literally contains thousands of tips, scripts, and techniques that make using Unix easier, more effective, and even more fun. This book is organized into hundreds of short articles with plenty of references to other sections that keep you flipping from new article to new article. You'll find the book hard to put down as you uncover one interesting tip after another. With the growing popularity of Linux and the advent of Mac OS X, Unix

has metamorphosed into something new and exciting. With Unix no longer perceived as a difficult operating system, more and more users are discovering its advantages for the first time. The latest edition of this best-selling favorite is loaded with advice about almost every aspect of Unix, covering all the new technologies that users need to know. In addition to vital information on Linux, Mac OS X, and BSD, Unix Power Tools, Third Edition, now offers more coverage of bcash, zsh, and new shells, along with discussions about modern utilities and applications. Several sections focus on security and Internet access, and there is a new chapter on access to Unix from Windows, addressing the heterogeneous nature of systems today. You'll also find expanded coverage of software installation and packaging, as well as basic information on Perl and Python. The book's accompanying web site provides some of the best software available to Unix users, which you can download and add to your own set of power tools. Whether you are a newcomer or a Unix power user, you'll find yourself thumbing through the gold mine of information in this new edition of Unix Power Tools to add to your store of knowledge. Want to try something new? Check this book first, and you're sure to find a tip or trick that will prevent you from learning things the hard way.

Covering all aspects of the Unix operating system and assuming no prior knowledge of Unix, this book begins with the fundamentals and works from the ground up to some of the more advanced programming techniques The authors provide a wealth of real-world experience with the Unix operating system, delivering actual examples while showing some of the common misconceptions and errors that new users make Special emphasis is placed on the Apple Mac OS X

environment as well as Linux, Solaris, and migrating from Windows to Unix A unique conversion section of the book details specific advice and instructions for transitioning Mac OS X, Windows, and Linux users

Learn, prepare, and practice for CompTIA Network+ N10-005 exam success with this CompTIA Authorized Cert Guide from Pearson IT Certification, a leader in IT Certification learning and a CompTIA Authorized Platinum Partner. This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Access to the personal video mentoring is available through product registration at Pearson IT Certification; or see instructions in back pages of your eBook. Master Network+ exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Limited Time Offer: Buy CompTIA Network+ N10-005 Authorized Cert Guide and receive a 10% off discount code for the CompTIA Network+ N10-005 exam. To receive your 10% off discount code: 1. Register your product at pearsonITcertification.com/register 2. When prompted, enter ISBN number 9780789748218 3. Go to your Account page and click on "Access Bonus Content" CompTIA Network+ N10-005 Authorized Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor Kevin Wallace shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists

make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The book also contains more than three hours of personal video mentoring from the author. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this authorized study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The authorized study guide helps you master all the topics on the Network+ exam, including: Computer networks and the OSI model Network components Ethernet IP addressing Routing traffic Wide Area Networks (WANs) Wireless LANs Network performance Command-line utilities Network management Network security Troubleshooting Kevin Wallace, CCIE No. 7945, is one of the most prolific and best-selling authors in the networking industry. He is a certified Cisco instructor, and he holds multiple certifications including CCNP, CCNP Voice, CCNP Security, and CCDP, in addition to multiple security and voice specializations. With networking experience dating back to 1989 (and computer experience dating back to 1982), Kevin is a Senior Technical Instructor for SkillSoft. Kevin has been a network design specialist for the Walt Disney World Resort and a network manager for Eastern Kentucky University. Introduction to the Command Line is a visual guide that teaches the most important Unix and Linux shell commands in a simple and straight forward manner. Command line programs covered in this book are demonstrated with typical usage to aid in the learning process and help you master the

command line quickly and easily.Covers popular Unix, Linux, and BSD systems.

A comprehensive introduction to the versatile UNIX operating system, covering basic concepts, logging on, logging off, and getting mail, in addition to common UNIX utilities for efficient system management. Includes a complete Command Reference.

Learning the Unix Operating System

Learning Unix for OS X

Introduction to Data Science

A Concise Guide for the New User

Hidden Commands that Unlock the Power of Unix

UNDERSTANDING UNIX

Think your Mac is powerful now? This practical guide shows you how to get much more from your system by tapping into Unix, the robust operating system concealed beneath OS X's beautiful user interface. OS X puts more than a thousand Unix commands at your fingertips—for finding and managing files, remotely accessing your Mac from other computers, and using freely downloadable open source applications. If you're an experienced Mac user, this updated edition teaches you all the basic commands you need to get started with Unix. You'll soon learn how to gain real control over your system. Get your Mac to do exactly what you want, when you want Make changes to your Mac's filesystem and directories Use Unix's find, locate, and grep commands to locate files containing specific information Create unique "super commands" to perform tasks that you specify Run multiple Unix programs and processes at the same time Access remote servers and interact with remote filesystems Install the X Window system and learn the best X11 applications Take advantage of

command-line features that let you shorten repetitive tasks 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.

Written in a personal style that guides the reader through the learning process, this stand alone tool for the learning of UNIX presents topics in the order users need to understand them logically and develop a cohesive picture of covered concepts. Professionals will enjoy a large number of illustrations showing HOW the commands work, and testing their knowledge by trying the command series to see if they get the same results. Chapter topics cover getting started; file

handling in UNIX; file matching metacharacters, commands, and history; Editing 101—meet ed; Editing 102—ed's big brother ex; visual editing with vi; interesting commands; tools and concepts; process control; regular expressions and the grep sisters; types of text processing; awk; and shell scripting. For anyone who uses UNIX, and anyone who needs to become a proficient UNIX user.

Introduction to Data Science: Data Analysis and Prediction Algorithms with R introduces concepts and skills that can help you tackle real-world data analysis challenges. It covers concepts from probability, statistical inference, linear regression, and machine learning. It also helps you develop skills such as R programming, data wrangling, data visualization, predictive algorithm building, file organization with UNIX/Linux shell, version control with Git and GitHub, and reproducible document preparation. This book is a textbook for a first course in data science. No previous knowledge of R is necessary, although some experience with programming may be helpful. The book is divided into six parts: R, data visualization, statistics with R, data wrangling, machine learning, and productivity tools. Each part has several chapters meant to be presented as one lecture. The author uses motivating case studies that realistically mimic a data scientist's experience. He starts by asking specific questions and answers these through data analysis so concepts are learned as a means to answering the questions. Examples of the case studies included are: US murder rates by state, self-reported student heights, trends in world health and economics, the impact of vaccines on infectious disease rates, the financial crisis of 2007-2008, election forecasting, building a baseball team, image processing of hand-written

digits, and movie recommendation systems. The statistical concepts used to answer the case study questions are only briefly introduced, so complementing with a probability and statistics textbook is highly recommended for in-depth understanding of these concepts. If you read and understand the chapters and complete the exercises, you will be prepared to learn the more advanced concepts and skills needed to become an expert.

UNIX Commands by ExampleA Desktop Reference for Solaris, UnixWare, and SCO UNIXPrentice Hall Ptr

Unix Shell Programming

UNIX and Perl to the Rescue!

Linux and UNIX Shell Programming

UNIX Commands by Example

Tools and Techniques for Linux and Unix Administration

Learning Unix for Mac OS X

Tips on how to find that lost file, how to figure out what kind of UNIX you're using, how to deal with directories, UNIX for DOS speakers, common UNIX error messages--and when to panic.

Introduces the UNIX environment for the Mac OS X Tiger and explains how to set up and configure the Terminal application; how to manage, create, and edit files; and how to navigate the Internet.

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.

Get comfortable and confident with your MacBook! Combining the fun-but-straightforward content of nine minibooks, this new edition of MacBook All-in-

**One For Dummies delivers helpful coverage of the rich features and essential tools you need to know to use the MacBook to its fullest potential. You'll learn an array of MacBook basics while veteran author Mark Chambers walks you through setting up your MacBook, running programs, finding files with Finder, searching with Spotlight, keeping track with Address Book, enjoying music with iTunes, creating cool multimedia projects with iLife, and more. This exciting new edition dives right in to help you create a web site with iWeb, get on the Internet, use Apple Mail, stay in touch with iChat, and find your way around the latest Mac OS X. And if you must do some work, do it the Mac way with the iWork productivity applications and this helpful guide. Serves as an up-to-date introduction to the basics of MacBook models, including working with the new OS, OS X Lion Shows you how to upgrade, maintain, and troubleshoot your system Features nine minibooks: Say Hello to Your MacBook, Using Mac OS X, Customizing and Sharing, Going Mobile with iLife, iWork for the Road Warrior, Typical Internet Stuff, Networking in Mac OS X, Expanding Your System, and Advanced Mac OS X Offers a straightforward-but-fun approach to getting familiar with this innovative laptop MacBook All-in-One For Dummies, 2nd Edition will get you Mac-savvy in no time!
This is an epub3 version with landmarks and pagelist. This book introduces the Unix command line interface to users. Unix originally supported only a command line interface. Though most Unix systems now support GUI interfaces, all are based on the original command line interface. Many people still find it easier to use the command line for operations.**

Instead of trying to figure out how to click through a GUI interface to do a certain task, you just have to type a few words. The focus of this book is on users, describing user tools and applications for the command line, not administration tasks. The text is organized to carefully introduce you to Unix without overwhelming you with a mass of commands and programs. In Part 1, you learn how to get started using the command line interface. In Parts 2 and 3, you learn essential features of Unix needed to perform everyday tasks such as file management and shell operations. Together, Parts 1, 2, and 3 form a core level of understanding that you need to have in order to successfully work with Unix. Parts 4, 5, and 6 consist of topics that you can select depending on your needs, such as data and edit filters, awk programming, email, Ftp access, and editors.
Beginning Unix
UNIX and Shell Programming
Bulletproof UNIX
The UNIX Command Reference Guide
A Field Guide for the Life Sciences (and Other Data-rich Pursuits)
Learning Unix for Mac OS X Tiger
The Most Useful Tutorial and Reference, with Hundreds of High-Quality Examples for Every Popular Linux Distribution "First Sobell taught people how to use Linux . . . now he teaches you the power of Linux. A must-have book for anyone who wants to take Linux to the next level." –Jon "maddog" Hall, Executive Director, Linux International Discover the Power of Linux—Covers macOS, too! Learn from hundreds of realistic, high-quality examples, and become a true command-line guru Covers MariaDB, DNF, and Python 3 300+ page reference section covers 102 utilities, including macOS commands For use

with all popular versions of Linux, including Ubuntu,™ Fedora,™ openSUSE,™ Red Hat,® Debian, Mageia, Mint, Arch, CentOS, and macOS Linux is today's dominant Internet server platform. System administrators and Web developers need deep Linux fluency, including expert knowledge of shells and the command line. This is the only guide with everything you need to achieve that level of Linux mastery. Renowned Linux expert Mark Sobell has brought together comprehensive, insightful guidance on the tools sysadmins, developers, and power users need most, and has created an outstanding day-to-day reference, updated with assistance from new coauthor Matthew Helmke. This title is 100 percent distribution and release agnostic. Packed with hundreds of high-quality, realistic examples, it presents Linux from the ground up: the clearest explanations and most useful information about everything from filesystems to shells, editors to utilities, and programming tools to regular expressions. Use a Mac? You'll find coverage of the macOS command line, including macOS-only tools and utilities that other Linux/UNIX titles ignore. A Practical Guide to Linux® Commands, Editors, and Shell Programming, Fourth Edition, is the only guide to deliver A MariaDB chapter to get you started with this ubiquitous relational database management system (RDBMS) A masterful introduction to Python for system administrators and power users In-depth coverage of the bash and tcsh shells, including a complete discussion of environment, inheritance, and process locality, plus coverage of basic and advanced shell programming Practical explanations of core utilities, from aspell to xargs, including printf and sshfs/curlftpfs, PLUS macOS–specific utilities from ditto to SetFile Expert guidance on automating remote backups using 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, including step values, sequence

expressions, the eval builtin, and implicit command-line continuation High-productivity editing techniques using vim and emacs A comprehensive, 300-plus-page command reference section covering 102 utilities, including find, grep, sort, and tar Instructions for updating systems using apt-get and dnf And much more, including coverage of BitTorrent, gawk, sed, find, sort, bzip2, and regular expressions

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

This Nutshell Handbook® is a thorough introduction to the Korn shell, both as a user interface and as a programming language.The Korn shell, like the C and Bourne shells, is a program that interprets UNIX commands. It has many features that aren't found in other shells, including command history (the ability to recall and edit previous commands). The Korn shell is also faster; several of its features allow you to write programs that execute more quickly than their Bourne or C shell equivalents.This book provides a clear and concise explanation of the Korn shell's features. It explains ksh string operations, co-processes, signals and signal handling, and one of the worst "dark corners" of shell programming: command-line interpretation. It does this by introducing simple real-life examples and then adding options and complexity in later chapters, illustrating the way real-world script development generally proceeds. An additional (and unique) programming aid, a Korn shell debugger (kshdb), is also included.Learning the Korn Shell is an ideal resource for many UNIX users and programmers, including software developers who want to "prototype" their designs, system administrators who want to

write tools for their own use, and even novices who just want to use some of ksh's more advanced interactive features. 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 Learn how to use BSD UNIX systems from the command line with BSD UNIX Toolbox: 1000+ Commands for FreeBSD,

OpenBSD and NetBSD. Learn to use BSD operation systems the way the experts do, by trying more than 1,000 commands to find and obtain software, monitor system health and security, and access network resources. Apply your newly developed skills to use and administer servers and desktops running FreeBSD, OpenBSD, NetBSD, or any other BSD variety. Become more proficient at creating file systems, troubleshooting networks, and locking down security.
Using UNIX
Unix Power Tools
The Linux Command Line, 2nd Edition
MacBook All-in-One For Dummies
Python for Unix and Linux System Administration

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.
1000+ Commands for FreeBSD, OpenBSD and NetBSD
UNIX Text Processing
A Desktop Quick Reference - Covers GNU/Linux, Mac OS X,and Solaris
UNIX for OpenVMS Users
Guide to UNIX Using Linux
A Practical Guide to Linux Commands, Editors, and Shell Programming