

Linux Multimedia Guide Book

The Linux Command Line Beginner's Guide gives users new to Linux an introduction to the command line environment. In the Guide, you'll learn how to: -Copy, move, and delete files and directories. -Create, delete, and manage users. -Create, delete, and manage groups. -Use virtual terminals. -Use the bash shell. -Safely use the root account with su and sudo. -Change permissions and ownership of files and directories. -Create and edit text files from the command line, without using a graphical editor. -Diagnose network connectivity problems. -And many other topics.

Open source software, also known as free software, now offers a creative platform with world-class programs. Just ask the people who have completed high-quality projects or developed popular web 2.0 sites using open source desktop applications. This phenomenon is no longer underground or restricted to techies—there have been more than 61 million downloads of the Audacity audio editor and more than 60 million downloads of the GIMP for Windows photographic tool from SourceForge.net alone. Crafting Digital Media is your foundation course in photographic manipulation, illustration, animation, 3D modelling, publishing, recording audio and making music, DJ'ing, mixing and mastering audio CDs, video editing and web content delivery. Every technique described in the book can be achieved on GNU/Linux, but many of the applications covered run on Windows and Mac OS X as well. New to GNU/Linux and a little daunted? Don't worry—there's a step-by-step tutorial on Ubuntu for either temporary use or permanent installation. If you are a creative type who wants to get started with open source software or an existing GNU/Linux user looking to explore this category of programs, this is the book for you! Realize your own personal projects and creative ambitions with the tools this book will place at your fingertips.

Have you ever wanted to become a Linux System Administrator? Or did you want to learn more about the operating system? If you answered yes to these questions, you have come to the right place. The motive of this book is to get you well versed with the Linux operating system and the profile known to the world as Linux System Administration. A Linux system admin is basically a superhero who owns the servers of an organization and makes sure that they never go down. Servers in an organization contain user data, which is the most important thing in the modern world. Loss of data can result in huge losses for an organization and even lawsuits. Over the course of the book, you will gather information about the following: This book will prepare you with the knowledge that is essential to enter the field of Linux system administration. You will learn about the operating system called Red Hat Enterprise Linux 7 and how to install it. After installing you will learn about the tasks that are essential for a system in their day-to-day life. You will learn about the command line in Linux, which is used extensively by system admins to perform tasks using important commands. You will further get to know about the Linux File System hierarchy and how to navigate your way through files and directories in the Linux operating system. You will also understand how processes work in the Linux system and how you can use commands and signals to manage system processes as well as processes started manually. You will learn about SSH, which is one of the most used tools in Linux systems to create secure connections between two Linux systems on a private network or over the Internet. You will study how to analyze logs in the Linux system and how to read them to understand errors and how to fix those errors. And much more ! All in all, the book is aimed at preparing you to enter the world of Linux system administration such that you can pursue a career in an organization, which demand this role on a very large scale.

Applying revision control system and source code control system.

Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that administrators love. Now, there's a definitive, authoritative guide to getting up-and-running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, The Official Ubuntu Server Book covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior system administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common server applications, from file and print services to state-of-the-art, cost-saving virtualization. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost web servers and email Protect your server with Ubuntu's built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won't boot

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.

Linux 2019 NEW Easy User Manual to Learn the Linux Operating System and Linux Command Line How much do you know about the operating system Linux?This operating system was born in 1991. There are a huge number of Linux operating systems, each of which offers one or another advantage. Different versions of the OS can make it difficult to choose and take a considerable amount of time to search for the necessary exactly for your tasks. Ubuntu, Mint, Elementary, Fedora, opens USE. A list of user-friendly distributions may seem like an endless story. Do you need a simpler OS? For games? On the other hand, maybe you need a multimedia distribution for comfortable viewing and listening to media content. They are all available.If you are new to Linux, our book will help you. Here you will find: What is Linux and Why Use It? Benefits of the Linux operating system, How to choose the Linux Distributor, How to get started with Linux, How to connect Linux to the Internet, What is Shell and how to use it?About the text files with the text files How to manage running processes, And much more

Explains how to program popular devices such as sound cards, CD-ROMs, and joysticks using LINUX, describes the best free software packages that support manipulation of graphics, audio, and video, and offers guidance on fitting the pieces together. Original. (Advanced).

Program audio and sound for Linux using this practical, how-to guide. You will learn how to use DSPs, sampled audio, MIDI, karaoke, streaming audio, and more. Linux Sound Programming takes you through the layers of complexity involved in programming the Linux sound system. You'll see the large variety of tools and approaches that apply to almost every aspect of sound. This ranges from audio codecs, to audio players, to audio support both within and outside of the Linux kernel. What You'll Learn Work with sampled audio Handle Digital Signal Processing (DSP) Gain knowledge of MIDI Build a Karaoke-like application Handle streaming audio Who This Book Is For Experienced Linux users and programmers interested in doing multimedia with

Linux.

SUSE Linux: A Complete Guide to Novell's Community Distribution will get you up to speed quickly and easily on SUSE, one of the most friendly and usable Linux distributions around. From quick and easy installation to excellent hardware detection and support, it's no wonder SUSE is one of the most highly rated distributions on the planet. According to Novell, SUSE is installed more than 7,000 times every day, an average of one installation every 12 seconds. This book will take you deep into the essential operating system components by presenting them in easy-to-learn modules. From basic installation and configuration through advanced topics such as administration, security, and virtualization, this book captures the important details of how SUSE works--without the fluff that bogs down other books and web sites. Instead, readers get a concise task-based approach to using SUSE as both a desktop and server operating system. In this book, you'll learn how to: Install SUSE and perform basic administrative tasks Share files with other computers Connect to your desktop remotely Set up a web server Set up networking, including Wi-Fi and Bluetooth Tighten security on your SUSE system Monitor for intrusions Manage software and upgrades smoothly Run multiple instances of SUSE on a single machine with Xen Whether you use SUSE Linux from Novell, or the free openSUSE distribution, this book has something for every level of user. The modular, lab-based approach not only shows you how--but also explains why--and gives you the answers you need to get up and running with SUSE Linux. About the author: Chris Brown is a freelance author and trainer in the United Kingdom and Europe. Following Novell's acquisition of SUSE, he taught Linux to Novell's consultants and IT staff and is certified in both Novell's CLP program and Red Hat's RHCE. Chris has a PhD in particle physics from Cambridge.

This book is a complete programmer's guide to the X library, which is the lowest level of programming interface to X. It includes chapters on:

"Linux Hardware Handbook" provides guidance to individuals on making purchasing and installation decisions concerning hardware for Linux computers. It provides general guidance and information on what types of products are known to work well at the time of writing.

Develop advanced skills for working with Linux systems on-premises and in the cloud Key Features Become proficient in everyday Linux administration tasks by mastering the Linux command line and using automation Work with the Linux filesystem, packages, users, processes, and daemons Deploy Linux to the cloud with AWS, Azure, and Kubernetes Book Description Linux plays a significant role in modern data center management and provides great versatility in deploying and managing your workloads on-premises and in the cloud. This book covers the important topics you need to know about for your everyday Linux administration tasks. The book starts by helping you understand the Linux command line and how to work with files, packages, and filesystems. You'll then begin administering network services and hardening security, and learn about cloud computing, containers, and orchestration. Once you've learned how to work with the command line, you'll explore the essential Linux commands for managing users, processes, and daemons and discover how to secure your Linux environment using application security frameworks and firewall managers. As you advance through the chapters, you'll work with containers, hypervisors, virtual machines, Ansible, and Kubernetes. You'll also learn how to deploy Linux to the cloud using AWS and Azure. By the end of this Linux book, you'll be well-versed with Linux and have mastered everyday administrative tasks using workflows spanning from on-premises to the cloud. If you also find yourself adopting DevOps practices in the process, we'll consider our mission accomplished. What you will learn Understand how Linux works and learn basic to advanced Linux administration skills Explore the most widely used commands for managing the Linux filesystem, network, security, and more Get to grips with different networking and messaging protocols Find out how Linux security works and how to configure SELinux, AppArmor, and Linux iptables Work with virtual machines and containers and understand container orchestration with Kubernetes Work with containerized workflows using Docker and Kubernetes Automate your configuration management workloads with Ansible Who this book is for If you are a Linux administrator who wants to understand the fundamentals and as well as modern concepts of Linux system administration, this book is for you. Windows System Administrators looking to extend their knowledge to the Linux OS will also benefit from this book.

* SUSE is the leading Linux distribution in Europe, with a strong enterprise presence and reputation as the most secure Linux distribution * Written by two SUSE insiders, this book explains the best way to carry out a task while making full use of SUSE's configuration utilities and unique YaST modules * Offers unique information not found anywhere else on the latest SUSE editions, including Enterprise Server, Professional (for home users and developers), Standard Server, and Desktop (Enterprise desktop) DVD includes the Fall 2004 release of the SUSE Personal Edition, a \$29.95 value

PGP is a freely available encryption program that protects the privacy of files and electronic mail. It uses powerful public key cryptography and works on virtually every platform. This book is both a readable technical user's guide and a fascinating behind-the-scenes look at cryptography and privacy. It describes how to use PGP and provides background on cryptography, PGP's history, battles over public key cryptography patents and U.S. government export restrictions, and public debates about privacy and free speech.

Learn The Linux Operating System and Command Line Today With This Easy Step-By-Step Guide! Do you want to learn the Linux Operating System and Command Line? Do you want to learn Linux in a style and approach that is suitable for you, regardless of your experience? If so, "LINUX: Easy Linux For Beginners, Your Step-By-Step Guide To Learning The Linux Operating System And Command Line" by Felix Alvaro is THE book for you! It covers the most essential topics you must learn to become a master of Linux. Linux is an extremely powerful operating system that whilst not the most popular amongst everyday users, 98.8% of the world's fastest computers and systems use the Linux kernel. If they are using it, then why shouldn't you? Aside from personally using it on your own computer, the demand for Linux administrators has been characteristically high ever since big companies adopted the open-source operating system for their servers. What Separates This Book From The Rest? What separates this book from all the others out there is the approach to teaching. A lot of the books you will stumble upon simply throw information at you, leaving you confused and stuck. We believe that books of this nature should be easy to grasp and written in jargon-free English you can understand, making you feel confident and allowing you to grasp each topic with ease. To help you achieve this, the guide has been crafted in a step-by-step manner which we feel is the best way for you to learn a new subject, one step at a time. It also includes various images to give you assurance you are going in the right direction, as well as having exercises where you can proudly practice your newly attained skills. You Will Learn The Following: What is Linux? How does Linux compare to other Operating Systems? Linux Architecture and Distributions Installing Linux in your PC Get to

know Shell, your Desktop and Navigating the File Systems Linux Applications- Office, Multimedia and Imaging Managing Hardware and installing additional Software Using the Linux Command Line Vital Administration and Security Introduction to Scripting And much more! Regardless if you are getting this book to experience using Linux the first time or if you are eyeing to get Linux Professional certifications in the future, buying this book definitely puts you in the right track. I can promise that this book will equip you with the information that you need to get you started and keep you going in your Linux knowledge. So don't delay it any longer. Take this opportunity and invest in this guide now. You will be amazed by the skills you will quickly attain! Download This Guide Now! See you inside!

UNIX, UNIX LINUX & UNIX TCL/TK. Write software that makes the most effective use of the Linux system, including the kernel and core system libraries. The majority of both Unix and Linux code is still written at the system level, and this book helps you focus on everything above the kernel, where applications such as Apache, bash, cp, vim, Emacs, gcc, gdb, glibc, ls, mv, and X exist. Written primarily for engineers looking to program at the low level, this updated edition of Linux System Programming gives you an understanding of core internals that makes for better code, no matter where it appears in the stack. -- Provided by publisher.

With step-by-step instructions and how-to videos, the reader will master everything from word processing to the Web and email, instant messaging to CD burning. This work also includes a CD: which features SimplyMEPIS Linux, and a DVD: which features the author explaining all the reader needs to know in bite-sized video tutorials.

Provides instructions for a variety of multimedia projects that can be done with Linux, including creating DVDs and VCDs, streaming audio and video over the Internet, and building a MythTV digital media hub.

Readers examine two of the most prominent operating systems -- Windows 10 and Linux CentOS7 -- in parallel with the unique approach found only in GUIDE TO PARALLEL OPERATING SYSTEMS WITH WINDOWS 10 AND LINUX, 3E. Rather than using a compare and contrast model, the book presents each topic conceptually before demonstrating it simultaneously on both operating systems. Readers can instantly switch between Windows 10 and Linux CentOS 7 to complete the myriad of hands-on activities that reinforce the similarities between the two operating systems for each conceptual task. The text's virtualization approach provides flexibility that enables readers to use Microsoft Hyper-V Client, Oracle VirtualBox, or VMWare Workstation. This comprehensive guide helps users develop the competencies needed in Windows 10 and Linux to maximize success in today's classroom or tomorrow's business environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A guide to the operating system covers Red Hat Linux, Caldera, and SuSE and offers advice on installation, configuration, administration, networking, and troubleshooting. You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of Running Linux have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, Running Linux will provide expert advice just when you need it.

The Linux Programming Interface (TLPI) is the definitive guide to the Linux and UNIX programming interface—the interface employed by nearly every application that runs on a Linux or UNIX system. In this authoritative work, Linux programming expert Michael Kerrisk provides detailed descriptions of the system calls and library functions that you need in order to master the craft of system programming, and accompanies his explanations with clear, complete example programs. You'll find descriptions of over 500 system calls and library functions, and more than 200 example programs, 88 tables, and 115 diagrams. You'll learn how to: –Read and write files efficiently –Use signals, clocks, and timers –Create processes and execute programs –Write secure programs –Write multithreaded programs using POSIX threads –Build and use shared libraries –Perform interprocess communication using pipes, message queues, shared memory, and semaphores –Write network applications with the sockets API While The Linux Programming Interface covers a wealth of Linux-specific features, including epoll, inotify, and the /proc file system, its emphasis on UNIX standards (POSIX.1-2001/SUSv3 and POSIX.1-2008/SUSv4) makes it equally valuable to programmers working on other UNIX platforms. The Linux Programming Interface is the most comprehensive single-volume work on the Linux and UNIX programming interface, and a book that's destined to become a new classic.

The official guide to making the most out of the smallest, fastest Linux distribution.

Equip today's users with the most up-to-date information to pass CompTIA's Linux+ (Powered by LPI) Certification exam successfully and excel when using Linux in the business world with Eckert's **LINUX+ GUIDE TO LINUX CERTIFICATION, 4E**. This complete guide provides a solid conceptual foundation and mastery of the hands-on skills necessary to work with the Linux operation system in today's network administration environment. The author does an exceptional job of maintaining a focus on quality and providing classroom usability while highlighting valuable real-world experiences. This edition's comprehensive coverage emphasizes updated information on the latest Linux distributions as well as storage technologies commonly used in server environments, such as LVM and ZFS. New, expanded material addresses key job-related networking services, including FTP, NFS, Samba, Apache, DNS, DHCP, NTP, Squid, Postfix, SSH, VNC, Postgresql, and iptables/firewalld. Readers study the latest information on current and emerging security practices and technologies. Hands-On Projects help learners practice new skills using both Fedora™ 20 and Ubuntu Server 14.04 Linux, while review questions and key terms reinforce important concepts. Trust **LINUX+ GUIDE TO LINUX CERTIFICATION, 4E** for the mastery today's users need for success on the certification exam and throughout their careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

While Mac OS X garners all the praise from pundits, and Windows XP attracts all the viruses, Linux is quietly being installed on millions of desktops every year. For programmers and system administrators, business users, and educators, desktop Linux is a breath of fresh air and a needed alternative to other operating systems. The **Linux Desktop Pocket Guide** is your introduction to using Linux on five of the most popular distributions: Fedora, Gentoo, Mandriva, SUSE, and Ubuntu. Despite what you may have heard, using Linux is not all that hard. Firefox and Konqueror can handle all your web browsing needs; GAIM and Kopete allow you to chat with your friends on the AOL, MSN, and Yahoo! networks; and the email programs Evolution and Kontact provide the same functionality as Microsoft Outlook, with none of the cost. All of these programs run within the beautiful, feature-packed, and easy-to-use GNOME or KDE desktop environments. No operating system truly "just works," and Linux is no exception. Although Linux is capable of running on most any computing hardware that Microsoft Windows can use, you sometimes need to tweak it just a little to make it work the way you really want. To help you with this task, **Linux Desktop Pocket Guide** covers essential topics, such as configuring your video card, screen resolution, sound, and wireless networking. And laptop users are not left out--an entire section is devoted to the laptop issues of battery life, sleep, and hibernate modes.

A quick reference guide to the Tcl language and Tk graphical toolkit explains how to use them to create a range of custom applications and describes every option and command in the core Tcl/Tk distribution. Original. (Intermediate).

This new book by best-selling UNIX author Mark Sobell combines the strengths of a tutorial and those of a reference to give you the knowledge and skills to master Linux.

Uniquely designed for both beginners and experienced users, **A Practical Guide to Linux** requires no prior programming experience. It begins with an extensive tutorial to bring those with less experience up to speed, and then quickly progresses to detailed chapters on GUIs, networking, the vi and emacs editors, three popular shells, programming tools, and system administration. Part II is a comprehensive reference containing descriptions and examples of 87 utilities. This book includes several complete example sessions on downloading and installing Linux-based utilities and other software from the Internet.

Guide to UNIX Using Linux is a hands-on, practical guide that teaches the fundamentals of the UNIX operating system concepts, architecture and administration. These concepts are taught using Linux, a free, PC-compatible UNIX clone that is an ideal teaching tool for many basic and advanced UNIX commands. The power, stability, and flexibility of UNIX has contributed to its popularity in mission-critical business and networking applications.

This introduction to networking on Linux now covers firewalls, including the use of ipchains and Netfilter, masquerading, and accounting. Other new topics in this second edition include Novell (NCP/IPX) support and INN (news administration).

Provides a definitive guide to terminology, techniques, and system information for individuals working in both Macintosh and Windows environments, explaining how to translate materials effectively from the one platform to the other. Original. (All Users)

If you are looking for a complete guide on how to install, configure, and use Linux as operating system, and a simple, step-by-step method for becoming a hacker, then keep reading... 4 Books in 1! This Book Includes: Linux for BeginnersLinux for HackersHacking with LinuxHacking with Kali Linux Linux is a free and freely distributed operating system inspired by the UNIX system, written by Linus Torvalds with the help of thousands of programmers. Unlike other operating systems, such as MacOS (Apple operating system), UNIX is not intended to be easy to use, but to be extremely flexible. It is generally as easy to use as other operating systems, although great efforts are being made to facilitate its use. This operating system is an option to be taken into account by those users who are dedicated to work through networks, devote to programming, or learn hacking techniques. Especially for hackers, Linux is the best operating system on the market because it allows to perform a wide variety of tasks and transform your computer into an incredible hacking machine. Learn the hacking skills requires time. However, everything is possible with the correct guide and a lot of useful information. If you are ready to learn how to hack with Linux, then this book is your best bet. This is a detailed guide to learn all the principles of hacking and how to turn your Linux system into an unstoppable machine! You'll learn: Basic system concepts How to understand the user interface How to handle possible mistakes and errors How the operating system architecture works Basics of Linux and Hacking How to use Linux commands The correct hacking procedure Web and network hacking tools Ethical and unethical parts of hacking The hierarchy of

hackers How to prevent cyber-attacks and malwares Cyber-security and cryptography Why is Kali Linux the best option for every hacker And much more Even if you are a complete beginner on programming this book will give you the correct information to understand the subject and start practicing today! As you reach the end of the book, you shall have a clearer picture of how the working environment works. The book has clear, simple explanations that can be easy to understand and thus, your journey towards learning how to hack shall be simplified. Start your journey! Develop underground hacking skills and turn your Linux system into a powerful, unbreakable, and unstoppable machine! Get This Book Today, Scroll Up and Click the Buy Now Button!

O'Reilly's Pocket Guides have earned a reputation as inexpensive, comprehensive, and compact guides that have the stuff but not the fluff. Every page of Linux Pocket Guide lives up to this billing. It clearly explains how to get up to speed quickly on day-to-day Linux use. Once you're up and running, Linux Pocket Guide provides an easy-to-use reference that you can keep by your keyboard for those times when you want a fast, useful answer, not hours in the man pages. Linux Pocket Guide is organized the way you use Linux: by function, not just alphabetically. It's not the 'bible of Linux'; it's a practical and concise guide to the options and commands you need most. It starts with general concepts like files and directories, the shell, and X windows, and then presents detailed overviews of the most essential commands, with clear examples. You'll learn each command's purpose, usage, options, location on disk, and even the RPM package that installed it. The Linux Pocket Guide is tailored to Fedora Linux--the latest spin-off of Red Hat Linux--but most of the information applies to any Linux system. Throw in a host of valuable power user tips and a friendly and accessible style, and you'll quickly find this practical, to-the-point book a small but mighty resource for Linux users.

Multimedia technology is a key component of the Digital Society. This book comprehensively examines the extent to which copyright and database right protect multimedia works. It does so from the perspective of UK law, but with due attention being paid to EU law, international treaties and comparative developments in other jurisdictions, such as Australia and the U.S. The central argument of the book is that the copyright and database right regimes are, for the most part, flexible enough to meet the challenges presented by multimedia. As a result, it is neither necessary nor desirable to introduce separate copyright protection or sui generis protection for multimedia works. This important and original new work will be essential reading for any lawyer engaged in advising on IP matters relating to the new media industries, and scholars and students working in intellectual property and computer law.

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. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, 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. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

Finally, Learning the bash Shell, Second Edition, shows you how to acquire, install, configure, and customize bash, and gives advice to system administrators managing bash for their user community.

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