Ubuntu Pocket Guide And Reference: A Concise Companion For Day To Day Ubuntu Use

Beginning Ubuntu Linux: From Novice to Professional, Third Edition is the update to the best-selling first book introducing Ubu Linux. Adapted from Keir Thomas' best-selling "Beginning SUSE Linux: From Novice to Professional" (Apress, 2005), Keir sets o guide readers through the most commonly desired yet confusing concepts and tasks confronted by new Linux users. Purpose on end users to satisfy the growing interest in migrating away from windows to the increasingly mature Linux desktop platf Beginning Ubuntu Linux serves as a guide to a rapid and transparent familiarization of those features most treasured by gene power desktop users alike.

There's nothing that hard-core Unix and Linux users are more fanatical about than their text editor. Editors are the subject c adoration and worship, or of scorn and ridicule, depending upon whether the topic of discussion is your editor or someone el been the standard editor for close to 30 years. Popular on Unix and Linux, it has a growing following on Windows systems, t experienced system administrators cite vi as their tool of choice. And since 1986, this book has been the guide for vi. Howev systems are not what they were 30 years ago, and neither is this book. While retaining all the valuable features of previous 7th edition of Learning the vi and vim Editors has been expanded to include detailed information on vim, the leading vi clone. the default version of vi on most Linux systems and on Mac OS X, and is available for many other operating systems too. Wi guide, you learn text editing basics and advanced tools for both editors, such as multi-window editing, how to write both int macros and scripts to extend the editor, and power tools for programmers -- all in the easy-to-follow style that has made th classic. Learning the vi and vim Editors includes: A complete introduction to text editing with vi: How to move around vi in a Beyond the basics, such as using buffers vi's global search and replacement Advanced editing, including customizing vi and ex Unix commands How to make full use of vim: Extended text objects and more powerful regular expressions Multi-window edi powerful vim scripts How to make full use of the GUI version of vim, called gvim vim's enhancements for programmers, such highlighting, folding and extended tags Coverage of three other popular vi clones -- nvi, elvis, and vile -- is also included. You'l several valuable appendixes, including an alphabetical quick reference to both vi and ex mode commands for regular vi and fo plus an updated appendix on vi and the Internet. Learning either vi or vim is required knowledge if you use Linux or Unix, and either case, reading this book is essential. After reading this book, the choice of editor will be obvious for you too.

When you need quick answers for developing or debugging Java programs, this pocket guide provides a handy reference to s features of the Java programming language and its platform. You'll find helpful programming examples, tables, figures, and list well as Java 8 features such as Lambda Expressions and the Date and Time API. It's an ideal companion, whether you're in th in the lab, or on the road. This book also provides material to help you prepare for the Oracle Certified Associate Java Progra

exam. Quickly find Java language details, such as naming conventions, types, statements and blocks, and object-oriented prog
Get details on the Java SE platform, including development basics, memory management, concurrency, and generics Browse th
information on basic input/output, NIO 2.O, the Java collections framework, and the Java Scripting API Get supplemental refer
fluent APIs, third-party tools, and basics of the Unified Modeling Language (UML)

A guide to the Debian 2.1 distribution of Linux demonstrates the capabilities of the completely open-source operating system
installation, setup, and basic applications

Linux Pocket Guide
vi Editor Pocket Reference
Official Ubuntu Book
Learning Ubuntu
Firewalls, NAT & Accounting
Ubuntu Hacks

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions. Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's

just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again. 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. This book is designed as an Ubuntu 20.04 LTS Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, systemd-networkd and Netplan network configuration, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, IPtables firewalls, and cloud computing.

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
Ubuntu 20.04 Essentials
The Official Ubuntu Book
Learning Debian GNU/Linux
Linux iptables Pocket Reference
The Ubuntu Beginner's Guide
Getting Started with Networking, Scripting, and Security in Kali

For many users, working in the UNIX environment means using vi, a full-screen text editor available on most UNIX systems. Even those who know vi often make use of only a small number of its features.The vi Editor Pocket Reference is a companion volume to O'Reilly's updated sixth edition of Learning the vi Editor, a complete guide to text editing with vi. New topics in Learning the vi Editor include multi-screen editing and coverage of four vi clones: vim,elvis, nvi, and vile.This small book is a handy reference guide to the information in the larger volume, presenting movement and editing commands, the command-line options, and other elements of the vi editor in an easy-to-use tabular format.

Provides information on Asterisk, an open source telephony application.

This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, filesystems, networking, BASH basics, package management, logging, and the Linux kernel and drivers. If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step.

Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. First, you'll learn how to install Kali on a virtual machine and get an introduction to basic Linux concepts. Next, you'll tackle broader Linux topics like manipulating text, controlling file and directory permissions, and managing user environment variables. You'll then focus in on foundational hacking concepts like security and anonymity and learn scripting skills with bash and Python. Practical tutorials and exercises throughout will reinforce and test your skills as you learn how to: - Cover your tracks by changing your network information and manipulating the rsyslog logging utility - Write a tool to scan for network connections, and connect and listen to wireless networks - Keep your internet activity stealthy using Tor, proxy servers, VPNs, and encrypted email - Write a bash script to scan open ports for potential targets - Use and abuse services like MySQL, Apache web server, and OpenSSH - Build your own hacking tools, such as a remote video spy camera and a password cracker Hacking is complex, and there is no single way in. Why not start at the beginning with Linux Basics for Hackers?

Ubuntu's rise to power has been rapid, historic and well-deserved. It's the best Linux distribution ever, but most people only use a fraction of its power. Award-winning Linux author Keir Thomas gets down and dirty with Ubuntu to provide over 300 concise tips that enhance productivity, avoid annoyances, and simply get the most from Ubuntu. You'll find many unique tips here that can't be found anywhere else. You'll also get a crash course in Ubuntu's flavor of system administration. Whether you're new to Linux or an old hand, you'll find tips to make your day easier. Ubuntu builds on a solid base of Debian Linux to create an award-winning operating system that's light-years ahead of its competitors. Ubuntu consistently tops lists of the most popular Linuxes amongst professionals and enthusiasts; Dell recently embraced Ubuntu in its product lines after a user survey indicated overwhelming public support. Ubuntu Kung Fu provides hints, hacks, tweaks and tricks for every level of user. Guaranteed to be free of the usual dross that fills tips books, Ubuntu Kung Fu is written to be entertaining and, above all, readable. Its 300+ concise tips utilize and exploit hidden or lesser-known features to boost day-to-day productivity. You'll also find tips on tweaking Ubuntu, wrangling the system into shape, optimizing, enhancing security, and lots more. Learn what extraordinary things can be done with Ubuntu. Written with the migrating Windows or Mac OS X user in mind, Ubuntu Kung Fu avoids the usual Linux/Unix folklore that can send most of us to sleep. The tips have one aim--to produce results as quickly as possible, in an environment where the reader can polish their skills as they read. This is the Linux book for the rest of us.

Ubuntu Kung Fu

The Linux Command Line, 2nd Edition

Operating System Concepts Essentials, 2nd Edition

How an African Philosophy Can Inspire Racial Healing in America

The Linux Command Line

A Practical Guide to Linux System Administration

The Ubuntu Beginner's Guide gives users new to Ubuntu Linux an overview of the operating system, from simple command-line tasks to advanced server configuration.In the Guide, you'll learn how to: -Use the Ubuntu command line.-Manage users, groups, and file

permissions.-Install software on a Ubuntu system, both from the command line, the GUI, and using the Snappy application management system.-Configure network settings.-Use the vi editor to edit system configuration files.-Install and configure a Samba server for file sharing.-Install SSH for remote system control using public key/private key encryption.-Install a LAMP server.-Install web applications like WordPress and Drupal.-Configure an FTP server.-Manage ebooks.-Convert digital media.-Manage and configure GNOME Shell, the new default Ubuntu environment.-Manage and configure Unity, the old default Ubuntu environment.-Manage and halt processes from the command line.-Set up both a VNC server and a client-And many other topics

By staying current, remaining relevant, and adapting to emerging course needs, Operating System Concepts by Abraham Silberschatz, Peter Baer Galvin and Greg Gagne has defined the operating systems course through nine editions. This second edition of the Essentials version is based on the recent ninth edition of the original text. Operating System Concepts Essentials comprises a subset of chapters of the ninth edition for professors who want a shorter text and do not cover all the topics in the ninth edition. The new second edition of Essentials will be available as an ebook at a very attractive price for students. The ebook will have live links for the bibliography, cross-references between sections and chapters where appropriate, and new chapter review questions. A two-color printed version is also available.

"If you're a developer trying to figure out why your application is not responding at 3 am, you need this book! This is now my go-to book when diagnosing production issues. It has saved me hours in troubleshooting complicated operations problems." –Trotter Cashion, cofounder, Mashion DevOps can help developers, QAs, and admins work together to solve Linux server problems far more rapidly, significantly improving IT performance, availability, and efficiency. To gain these benefits, however, team members need common troubleshooting skills and practices. In DevOps Troubleshooting: Linux Server Best Practices , award-winning Linux expert Kyle Rankin brings together all the standardized, repeatable techniques your team needs to stop finger-pointing, collaborate effectively, and quickly solve virtually any Linux server problem. Rankin walks you through using DevOps techniques to troubleshoot everything from boot failures and corrupt disks to lost email and downed websites. You'll master indispensable skills for diagnosing high-load systems and network problems in production environments. Rankin shows how to Master DevOps' approach to troubleshooting and proven Linux server problem-solving principles Diagnose slow servers and applications by identifying CPU, RAM, and Disk I/O bottlenecks Understand healthy boots, so you can identify failure points and fix them Solve full or corrupt disk issues that prevent disk writes Track down the sources of network problems Troubleshoot DNS, email, and other network services Isolate and diagnose Apache and Nginx Web server failures and slowdowns Solve problems with MySQL and Postgres database servers and queries Identify hardware failures–even notoriously elusive intermittent failures

In-depth instruction and practical techniques for buildingwith the BeagleBone embedded Linux platform Exploring BeagleBone is a hands-on guide to bringinggadgets, gizmos, and robots to life using the popular BeagleBoneembedded Linux platform. Comprehensive content and deep detailprovide more than just a BeagleBone instructionmanual—you'll also learn the underlying engineeringtechniques that will allow you to create your own projects. Thebook begins with a foundational primer on essential skills, andthen gradually moves into communication, control, and advancedapplications using C/C++, allowing you to learn at your own pace.In addition, the book's companion website featuresinstructional videos, source code, discussion forums, and more, toensure that you have everything you need. The BeagleBone's small size, high

performance, low cost,and extreme adaptability have made it a favorite developmentplatform, and the Linux software base allows for complex yetflexible functionality. The BeagleBone has applications in smartbuildings, robot control, environmental sensing, to name a few;and, expansion boards and peripherals dramatically increase thepossibilities. Exploring BeagleBone provides areader-friendly guide to the device, including a crash coursein computer engineering. While following step by step, you can: Get up to speed on embedded Linux, electronics, andprogramming Master interfacing electronic circuits, buses and modules, withpractical examples Explore the Internet-connected BeagleBone and the BeagleBonewith a display Apply the BeagleBone to sensing applications, including videoand sound Explore the BeagleBone's Programmable Real-TimeControllers Hands-on learning helps ensure that your new skills stay withyou, allowing you to design with electronics, modules, orperipherals even beyond the BeagleBone. Insightful guidance andonline peer support help you transition from beginner to expert asyou master the techniques presented in Exploring BeagleBone,the practical handbook for the popular computing platform.

I Am You

Linux in a Nutshell

Learning the Vi and Vim Editors

Tools and Techniques for Building with Embedded Linux

Everyday Ubuntu

Linux Server Best Practices

Ubuntu Linux is the fastest growing Linux-based operating system, and Beginning Ubuntu Linux, Fifth Edition teaches all of us—including those who have never used Linux—how to use it productively, whether you come from Windows or the Mac or the world of open source. Beginning Ubuntu Linux, Fifth Edition shows you how to take advantage of Lucid Lynx. Based on the best-selling previous edition, Emilio Raggi maintains a fine balance between teaching Ubuntu and introducing new features. Whether you aim to use it in the home or in the office, you'll be introduced to the world of Ubuntu Linux, from simple word processing to using cloud services. You'll learn how to control the Ubuntu system, which you just installed from the book's DVD, as you are guided through common tasks such as configuring the system's graphical user interface (GUI), listening to audio CDs and MP3s, producing documents, using VoIP and chat, and of course, general system maintenance. This book also supplies a series of comprehensive tutorials on Ubuntu administration and security—essential for any Ubuntu user—while not neglecting matters pertaining to office applications and the cloud.

Arguably one of the most highly regarded and widely used enterprise level operating systems available today is the Ubuntu 20.04 distribution. Not only is it considered to be among the most stable and reliable operating systems, it is also backed by the considerable resources and technical skills of Canonical, Ltd. Ubuntu 20.04 Essentials is designed to provide detailed information on the installation, use and administration of the Ubuntu 20.04 distribution. For beginners, the book covers topics such as operating system installation, the basics of the GNOME desktop environment, configuring email and web servers and installing packages and system updates. Additional installation topics such as dual booting with Microsoft Windows are also covered, together with all important security topics such as configuring a firewall and user and group administration. For the experienced user, topics such as remote desktop access, the Cockpit web interface, logical volume management (LVM), disk partitioning, swap management, KVM virtualization, Secure Shell (SSH), Linux Containers and file sharing using

both Samba and NFS are covered in detail to provide a thorough overview of this enterprise class operating system.
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
Ubuntu Unleashed 2021 Edition is filled with unique information for everyone who wants to make the most of the Ubuntu Linux operating system, including the latest in Ubuntu mobile development. This new edition has been thoroughly updated by a long-time Ubuntu community leader to reflect the new Ubuntu 20.04 and the forthcoming Ubuntu 20.10 and 21.04 releases. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 20.04 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more - including intermediate-to-advanced techniques you won't find in any other book. Helmke introduces Ubuntu's key productivity and Web development tools, programming languages, hardware support, and more. You'll find new and improved coverage of Ubuntu's Unity interface, various types of servers, software repositories, database options, virtualization and cloud services, development tools, monitoring, troubleshooting, Ubuntu's push into mobile and other touch screen devices, and much more. The companion DVD includes the full Ubuntu 20.04 distribution as well as the complete LibreOffice office suite and hundreds of additional programs and utilities. Ubuntu Unleashed provides detailed information on how to... Configure and customize the Unity desktop Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, DNS, and HTTP servers (Apache, Nginx, or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization Build a private cloud with Juju and Charms Learn the basics about popular programming languages including Python, PHP, Perl, and new alternatives such as Go and Rust Learn about Ubuntu's work toward usability on touch-screen and phone devices
African Philosophy Through Ubuntu
Understanding Ubuntu for Enhancing Intercultural Communications

Linux: The Complete Reference, Sixth Edition
A Quick Pocket Reference for a Utility Every Unix User Needs
X86-64 Assembly Language Programming with Ubuntu
Ubuntu Linux Unleashed 2021 Edition

We may be different, but our hearts beat the same. In southern Africa, there is a belief called ubuntu--the idea that we are all connected. No matter where we're from or who we are, a person is a person through their connections to other people. With simple, lyrical text and charming artwork, this lively picture book first published in South Africa is the perfect introduction to the concept of ubuntu for young kids. A celebration of friendship and kindness, the book shows children the many ways that we are all one.

Ubuntu is a free operating system that emphasises community support and ease of use. This guide teaches you how to install and customise Ubuntu for your home or small business. Its open source power can be used in schools, government, or by companies, and is suitable for both desktop and server use

Firewalls, Network Address Translation (NAT), network logging and accounting are all provided by Linux's Netfilter system, also known by the name of the command used to administer it, iptables. The iptables interface is the most sophisticated ever offered onLinux and makes Linux an extremely flexible system for any kind of network filtering you might do. Large sets of filtering rules can be grouped in ways that makes it easy to test them and turn them on and off.Do you watch for all types of ICMP traffic--some of them quite dangerous? Can you take advantage of stateful filtering to simplify the management of TCP connections? Would you like to track how much traffic of various types you get?This pocket reference will help you at those critical moments when someone asks you to open or close a port in a hurry, either to enable some important traffic or to block an attack. The book will keep the subtle syntax straight and help you remember all the values you have to enter in order to be as secure as possible. The book has an introductory section that describes applications,followed by a reference/encyclopaedic section with all the matches and targets arranged alphabetically.

Ubuntu Linux--the most popular Linux distribution on the planet--preserves the spirit embodied in the ancient African word ubuntu, which means both "humanity to others" and "I am what I am because of who we all are." Ubuntu won the Linux Journal Reader's Choice Award for best Linux distribution and is consistently the top-ranked Linux variant on DistroWatch.com. The reason this distribution is so widely popular is that Ubuntu is designed to be useful, usable, customizable, and always available for free worldwide. Ubuntu Hacks is your one-stop source for all of the community knowledge you need to get the most out of Ubuntu: a collection of 100 tips and tools to help new and experienced Linux users install, configure, and customize Ubuntu. With this set of hacks, you can get Ubuntu Linux working exactly the way you need it to. Learn how to: Install and test-drive Ubuntu Linux. Keep your system running

smoothly Turn Ubuntu into a multimedia powerhouse: rip and burn discs, watch videos, listen to music, and more Take Ubuntu on the road with Wi-Fi wireless networking, Bluetooth, etc. Hook up multiple displays and enable your video card's 3-D acceleration Run Ubuntu with virtualization technology such as Xen and VMware Tighten your system's security Set up an Ubuntu-powered server Ubuntu Hacks will not only show you how to get everything working just right, you will also have a great time doing it as you explore the powerful features lurking within Ubuntu. "Put in a nutshell, this book is a collection of around 100 tips and tricks which the authors choose to call hacks, which explain how to accomplish various tasks in Ubuntu Linux. The so called hacks range from down right ordinary to the other end of the spectrum of doing specialised things...More over, each and every tip in this book has been tested by the authors on the latest version of Ubuntu (Dapper Drake) and is guaranteed to work. In writing this book, it is clear that the authors have put in a lot of hard work in covering all facets of configuring this popular Linux distribution which makes this book a worth while buy." -- Ravi Kumar, Slashdot.org
Exploring BeagleBone
Learning the bash Shell
A Practical Guide to Ubuntu Linux
DevOps Troubleshooting
The Future of Telephony
A Book about Ubuntu
"A great resource covering Ubuntu from A to Z without all the extra fluff" -- Ryan Troy, administrator, Ubuntuforums.org. Read by over 500,000 people, Ubuntu Pocket Guide and Reference is the world's most popular Ubuntu book. Written by award-winning expert Keir Thomas, it will quickly transform you into a power user. In its clear and concise pages, you'll learn step-by-step about installation, the Ubuntu desktop, the tricks and techniques of efficient day-to-day usage, the command-line, software management, and, finally, system security. Appendixes provide a glossary of terms, and a guide to technical documentation.
This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. Advanced Linux Programming is divided into two parts. The first covers generic UNIX system services, but with a particular eye towards Linux specific information. This portion of the book will be of use even to advanced programmers who have worked with other Linux systems since it will cover Linux specific details and differences. For programmers without UNIX experience, it will be even more valuable. The second section covers material that is entirely Linux specific. These are truly advanced topics, and are the techniques that the gurus use to build great applications. While this book will focus mostly on the Application Programming Interface (API) provided by the Linux kernel and the C library, a preliminary introduction to the development tools available will allow all who purchase the book to make immediate use of Linux.

grep Pocket Reference is the first guide devoted to grep, the powerful Unix content-location utility. This handy book is ideal for system administrators, security professionals, developers, and others who want to learn more about grep and take new approaches with it -- for everything from mail filtering and system log management to malware analysis. With grep Pocket Reference, you will: Learn methods for filtering large files for specific content Acquire information not included in the current grep documentation Get several tricks for using variants such as egrep Keep key information about grep right at your fingertips Find the answers you need about grep quickly and easily. If you're familiar with this utility, grep Pocket Reference will help you refresh your basic knowledge, understand rare situations, and work more efficiently. If you're new to grep, this book is the best way to get started.

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"

A Complete Introduction

Beginning Ubuntu Linux

Making Servers Work

Second Edition

Asterisk

Advanced Linux Programming

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.

'This book will open your eyes, mind and heart to a way of being in the world that will make our world a better and more caring one.' ARCHBISHOP DESMOND TUTU, author of The Book of Joy Ubuntu is an ancient Southern African philosophy about how to live life well, together. It is a belief in a universal human bond, which says: I am only because you are. It means that if you can see everyone as fully human, connected to you by their humanity, you will never be able to treat others as disposable or without worth. By embracing the philosophy of ubuntu it's possible to overcome division and be stronger together in a world where the wise build bridges and the foolish build walls. These 14 beautifully illustrated lessons from the Rainbow Nation are an essential toolkit to helping us all to live better, together. In stories, practical lessons and applications that recognise our common humanity, our connectedness and interdependence, Everyday Ubuntu helps us to make sense of the world and our place in it. Exploring ideas of kindness and forgiveness, tolerance and the power of listening, this definitive guide offers practical tips on how we can all benefit from embracing others and living a more fulfilling life as part of the large family to which we all belong. _____ What readers are saying about Everyday Ubuntu: ***** 'A concept we should all live by.' ***** 'Lots of little gems to help with everyday life.' ***** 'Must read... Very inspiring and thought-provoking.'

In spite of decolonisation, the philosophical character of European standpoint on colonisation together with its corresponding practices remains unchanged in its relations with the erstwhile colonies. It is precisely this condition which calls for the need for the authentic liberation of Africa. This speaks of a two-fold exigency. One is that the colonised people's conceptions of reality, knowledge and truth should be released from slavery and dominance under the European epistemological paradigm. Without this

essential first step there cannot evolve a common authentic and liberating universe of discourse. The second exigency is that the evolving common universe of discourse must take into account the rational demands of justice to the colonised arising from the unjust wars of conquest that resulted in colonial disseizing of territory as well as the enslavement of the colonised. These rational demands of justice are specifically the restoration of territory to its indigenous rightful owners and reparations to them. This two fold exigency is the indisplensable neccessity for the authentic liberation of Africa, and indeed, all the colonised people of the world.

Your one-stop guide to Linux--fully revised and expanded Get in-depth coverage of all Linux features, tools, and utilities from this thoroughly updated and comprehensive resource, designed for all Linux distributions. Written by Linux expert Richard Petersen, this book explains how to get up-and-running on Linux, use the desktops and shells, manage applications, deploy servers, implement security measures, and handle system and network administration tasks. With full coverage of the latest platform, Linux: The Complete Reference, Sixth Edition includes details on the very different and popular Debian (Ubuntu) and Red Hat/Fedora software installation and service management tools used by most distributions. This is a must-have guide for all Linux users. Install, configure, and administer any Linux distribution Work with files and folders from the BASH, TCSH, and Z shells Use the GNOME and KDE desktops, X Windows, and display managers Set up office, database, Internet, and multimedia applications Secure data using SELinux, netfilter, SSH, and Kerberos Encrypt network transmissions with GPG, LUKS, and IPsec Deploy FTP, Web, mail, proxy, print, news, and database servers Administer system resources using HAL, udev, and virtualization (KVM and Xen) Configure and maintain IPv6, DHCPv6, NIS, networking, and remote access Access remote files and devices using NFSv4, GFS, PVFS, NIS, and SAMBA

grep Pocket Reference
Java 8 Pocket Guide
Linux Basics for Hackers
Ubuntu Pocket Guide and Reference
Ubuntu 20.04 LTS Server
Unix Shell Programming

A roadmap to healing America's wounds, bridging the racial divide, and diminishing our anger. Mathabane touched the hearts of millions of

people around the world with his powerful memoir, Kaffir Boy, about growing up under apartheid in South Africa and was praised by Oprah Winfrey and Bill Clinton. In his new book, The Lessons of Ubuntu: How an African Philosophy Can Inspire Racial Healing in America, Mathabane draws on his experiences with racism and racial healing in both Africa and America, where he has lived for the past thirty-seven years, to provide a timely and provocative approach to the search for solutions to America's biggest and most intractable social problem: the divide between the races. In his new book, Mathabane tells what each of us can do to become agents for racial healing and justice by learning how to practice the ten principles of Ubuntu, an African philosophy based on the concept of our shared humanity. The book's chapters on obstacles correlate to chapters on Ubuntu principles: The Teaching of Hatred vs. Empathy Racial Classification vs. Compromise Profiling vs. Learning Mutual Distrust vs. Nonviolence Black Bigotry vs. Change Dehumanization vs. Fogiveness The Church and White Supremacy vs. Restorative Justice Lack of Empathy vs. Love The Myth That Blacks and Whites Are Monolithic vs. Spirituality Self-Segregation: American Apartheid vs. Hope By practicing Ubuntu in our daily lives, we can learn that hatred is not innate, that even racists can change, and that diversity is America's greatest strength and the key to ensuring our future. Concerned by the violent protests on university campuses and city streets, and the killing of black men by the police, Mathabane challenges both blacks and whites to use the lessons of Ubuntu to overcome the stereotypes and mistaken beliefs that we have about each other so that we can connect as allies in the quest for racial justice.

This book highlights practical sysadmin skills, common architectures that you'll encounter, and best practices that apply to automating and running systems at any scale, from one laptop or server to 1,000 or more. It is intended to help orient you within the discipline, and hopefully encourages you to learn more about system administration.

Want to learn a new skill? Expand the technology that you work with? This book covers the basics of understanding how to use Linux. We will use Ubuntu 14.04 LTS to learn multiple fundamentals in using Linux and later will go through the process of creating a web server. 80% of websites are driven by Linux servers. Understanding the basics and expanding upon this will provide great career opportunities and a great skill as well. We start simple and the reader does not need any prior knowledge. We will make baby steps and slowly work ourselves up to configuring the Ubuntu Server to be a functional web server. There will still be much to learn, but within a few hours you can have your own Linux server setup, understand the basics, and also have WordPress loaded into it. We cover installing packages, creating files in nano, LAMP stack, and try to do so in a practical way so that you can finish this guide with something to show off.

The purpose of this text is to provide a reference for University level assembly language and systems programming courses. Specifically, this text addresses the x86-64 instruction set for the popular x86-64 class of processors using the Ubuntu 64-bit Operating System (OS). While the provided code and various examples should work under any Linux-based 64-bit OS, they have only been tested under Ubuntu 14.04 LTS (64-bit). The x86-64 is a Complex Instruction Set Computing (CISC) CPU design. This refers to the internal processor design philosophy. CISC processors typically include a wide variety of instructions (sometimes overlapping), varying instructions sizes, and a wide range of addressing modes. The term was retroactively coined in contrast to Reduced Instruction Set Computer (RISC3).

A Beginners Guide to Using Linux

The Lessons of Ubuntu

Administration and Reference

Tips, Tricks, Hints, and Hacks

Tips & Tools for Exploring, Using, and Tuning Linux

Living better together, the African way

Given the importance of cross-cultural competence, it is important that scholars from different parts of the world describe the conceptual frameworks underlying their cultures to provide people with knowledge helpful for understanding and navigating cultural barriers and promoting harmony and productivity in places of work. The literature is replete with reference points for understanding Eurocentric worldviews. Little has been written about non-Eurocentric worldviews with respect to the subject of socio-cultural harmony and interpersonal relations such as Ubuntu, Africa's indigenous philosophy and its relevancy. This philosophy teaches the importance of maintaining good human relations and sensitivity to the wellbeing of other people both as individuals and collectively. In the teachings of this African conceptual framework, the wellbeing of others is more important than that of self. Another important distinguishing feature of Ubuntu is that it places great value on communalism as opposed to individualism. The tenets of Ubuntu include human-centeredness, teamwork, collaboration, cooperation, respect for diversity of opinion, and joint consideration of problems. These tenets can be applied for intercultural competence and communications. Understanding Ubuntu for Enhancing Intercultural Communications sheds some light on Ubuntu, Africa's unique philosophy, and explores how the knowledge of Ubuntu can help minimize cross-cultural communication barriers. Within this context, the chapters work to make readers aware of the existence of an African worldview, specifically Ubuntu, and its possible contribution to interpersonal communication. This book also shares the lived experiences of being born and raised in sub-Saharan Africa where Ubuntu is a way of life. This book is essential for businesses seeking to expand internationally and managers overseeing diverse workforces as well as business executives, government officials, public relations officers, academicians, researchers, and students including those studying African studies, world religions, international business, international relations, management, communication, and more.

A guide to Ubuntu Linux covers such topics as installation, the desktop, utilities, the shell, networking, system administration, the Linux kernel, CUPS, DNS, OpenSSH, Samba, and Apache.

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!
A Guide to Ubuntu 20.04 Desktop and Server Editions
The Official Ubuntu Server Book