

## The Official Ubuntu Book

Mastering Ubuntu Server, Third Edition not only strengthens your server fundamentals but also equips you with the advanced concepts of Ubuntu 20.04 LTS. It polishes and expands your skill set to prepare you for better business opportunities.

Arm yourself to make the most of the versatile, powerful Ubuntu Server with over 100 hands-on recipes About This Book Master the skills to setup secure and scalable web services with popular tools like Apache, Nginx, MySQL and HAProxy Set up your own cloud with Open Stack and quickly deploy applications with Docker or LXD Packed with clear, step-by-step recipes to let you protect you valuable data with your own chat servers, code hosting and collaboration tools. Who This Book Is For Ubuntu Server Cookbook is for system administrators or software developers with a basic understanding of the Linux operating system who want to set up their own servers. You are not required to have in-depth knowledge or hands-on experience with Ubuntu, but you should know the basics commands for directory navigation, file management, and the file editing tool. An understanding of computer networks is advisable What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Quickly deploy your applications to their own containers and scale your infrastructure as and when needed Find out how to set up your own cloud infrastructure for your internal use or rent it to the public Ensure quick and easy access for your users while also securing your infrastructure from intruders Set up a high performance private network with a personal VPN server and centralized authentication system Swiftly start a content streaming service Set up network storage for private data and source code and say good bye to costly and unreliable cloud services In Detail Ubuntu is one of the most secure operating systems and defines the highest level of security as compared other operating system. Ubuntu server is a popular Linux distribution and the first choice when deploying a Linux server. It can be used with a \$35 Raspberry Pi to top-notch, thousand-dollar-per-month cloud hardware. Built with lists that there are 4 million + websites built using Ubuntu. With its easy-to-use package management tools and availability of well-known packages, we can quickly set up our own services such as web servers and database servers using Ubuntu. This book will help you develop the skills required to set up high performance and secure services with open source tools. Starting from user management and an in-depth look at networking, we then move on to cover the installation and management of web servers and database servers, as well as load balancing various services. You will quickly learn to set up your own cloud and minimize costs and efforts with application containers. Next, you will get to grips with setting up a secure real-time communication system. Finally, we'll explore source code hosting and various collaboration tools. By the end of this book, you will be able to make the most of Ubuntu's advanced functionalities. Style and approach This easy-to-follow guide contains a series of step-by-step recipes ranging from simple to complex. Each topic will start with basic introduction to each technology followed by a detailed step-by-step installation guide and then a detailed explanation of the approach taken during installation and the various advanced options available.

Pro Ubuntu Server Administration teaches you advanced Ubuntu system building. After reading this book, you will be able to manage anything from simple file servers to multiple virtual servers to high-availability clusters. This is the capstone volume of the Apress Ubuntu trilogy that includes Beginning Ubuntu Linux, Third Edition and Beginning Ubuntu Server LTS Administration: From Novice to Professional, Second Edition. You will be able to make Ubuntu technology shine in a Fortune 500 environment and let Ubuntu server become the backbone of your infrastructure. Topics covered include Performance monitoring and optimization High-availability clustering Advanced Lightweight Directory Access Protocol (LDAP) integrated networking

A guide to the Ubuntu operating system covers such topics as installation and configuration, productivity applications, the command line, managing users, networking, remote access, security, kernal and module management, FTP, proxying, and Python.

In 1998, Jacob Lief, a 21-year-old American university student, met school teacher Malizole "Banks" Gwaxula in a township tavern in Port Elizabeth, South Africa. After bonding over beers and a shared passion for education, Gwaxula invited Lief to live with him in the township. Inspired by their fortuitous meeting--which brought together two men separated by race, nationality, and age--and by the spirit of ubuntu, roughly translated as "I am because you are", the two men embarked on an unexpectedly profound journey. Their vision? To provide vulnerable children in the townships with what every child deserves--everything. Today, their organization, Ubuntu Education Fund, is upending conventional wisdom about how to break the cycle of poverty. Shunning traditional development models, Ubuntu has redefined the concept of scale, focusing on how deeply it can impact each child's life rather than how many it can reach. Ubuntu provides everything a child needs and deserves, from prenatal care for pregnant mothers to support through university--essentially, from cradle to career. Their child-centered approach reminds us that one's birthplace should not determine one's future. I Am Because You Are sets forth an unflinching portrayal of the unique rewards and challenges of the nonprofit world while offering a bold vision for a new model of development.

"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.

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. Forgiveness 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.

Ubuntu is a complete, free operating system that emphasizes community, support, and ease of use without compromising speed, power, or flexibility. It's Linux for human beings—designed for everyone from computer novices to experts. Ubuntu 9.04 is the latest release—more powerful, more flexible, and friendlier than ever. The Official Ubuntu Book, Fourth Edition, will get you up and running quickly. Written by

expert, leading Ubuntu community members, this book covers all you need to know to make the most of Ubuntu 9.04, whether you're a home user, small business user, server administrator, or programmer. The authors cover Ubuntu 9.04 from start to finish: installation, configuration, desktop productivity, games, management, support, and much more. Among the many topics covered in this edition: Edubuntu, Kubuntu, and Ubuntu Server. The Official Ubuntu Book, Fourth Edition, covers standard desktop applications, from word processing, spreadsheets, Web browsing, e-mail, instant messaging, music, video, and games to software development, databases, and server applications. In addition, you will Learn how to customize Ubuntu for home, small business, school, government, and enterprise environments Learn how to quickly update Ubuntu to accommodate new versions and new applications Find up-to-the-minute troubleshooting advice from Ubuntu users worldwide Learn Ubuntu Server installation and administration, including LVM and RAID implementation Learn about how to take advantage of the Ubuntu user forum to get the help you need quickly

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

A "profound and soul-nourishing memoir" (Oprah Daily) from an African girl whose near-death experience sparked a lifelong dedication to humanitarian work that helps bring change across the world. When severe drought hit her village in Zimbabwe, Elizabeth Nyamayaro, then only eight, had no idea that this moment of utter devastation would come to define her life's purpose. Unable to move from hunger and malnourishment, she encountered a United Nations aid worker who gave her a bowl of warm porridge and saved her life—a transformative moment that inspired Elizabeth to dedicate herself to giving back to her community, her continent, and the world. In the decades that have followed, Elizabeth has been instrumental in creating change and uplifting the lives of others: by fighting global inequalities, advancing social justice for vulnerable communities, and challenging the status quo to accelerate women's rights around the world. She has served as a senior advisor at the United Nations, where she launched HeForShe, one of the world's largest global solidarity movements for gender equality. In I Am a Girl from Africa, she charts this "journey of perseverance" (Entertainment Weekly) from her small village of Goromonzi to Harare, Zimbabwe; London; New York; and beyond, always grounded by the African concept of ubuntu—"I am because we are"—taught to her by her beloved grandmother. This "victorious" (The New York Times Book Review) memoir brings to vivid life one extraordinary woman's story of persevering through incredible odds and finding her true calling—while delivering an important message of hope, empowerment, community support, and interdependence.

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

This remarkable biography features a white American pacifist minister whose tireless work for justice and human rights helped reshape Black civil rights in the U.S. and Africa. George M. Houser (1916–2015) was one of the most important civil rights and antiwar activists of the twentieth century. A conscientious objector during World War II, in 1942 Houser cofounded and led the Congress of Racial Equality (CORE), whose embrace of nonviolent protest strategies and tactics characterized the modern American Civil Rights Movement. Beginning in the 1950s, Houser played a critical role in pan-Africanist anticolonial movements, and his more than thirty-year dedication to the cause of human rights and self-determination helped prepare the ground for the toppling of the South African apartheid regime. Throughout his life, Houser shunned publicity, preferring to let his actions speak his faith. Sheila Collins's well-researched biography recounts the events that informed Houser's life of activism—from his childhood experiences as the son of missionaries in the Philippines to his early grounding in the Social Gospel and the teachings of Mohandas Gandhi. In light of the corruption the U.S. and the world face today, Houser's story of faith and decisive action for human rights and social justice is one for our time.

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!

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.

Ubuntu is the African idea of personhood: persons depend on other persons in order to be. This is summarised in the expression: umuntu ngumuntu ngabantu, that is, a person is a person through persons. This edited collection illustrates the power of fictionalised representation in reporting research conducted on Ubuntu in Southern Africa. The chapters insert the concept of Ubuntu within the broad intellectual debate of self and community, to demonstrate its intellectual and philosophical value and theoretical grounding in known practices emanating from the African continent, and indeed how it works to unsettle some of our received notions of the self.

This book guides you through all of the key configuration and administration tasks you'll need to know to quickly deploy and manage the Ubuntu Server distribution. Whether you're interested in adopting Ubuntu within a Fortune 500 environment or just want to use Ubuntu to manage your home network, this book is your go-to guide to using the distribution securely for a wide variety of network services.

Topics include file, print, web, and FTP management, command-line tips and tricks, automated installation, configuration and deployment processes, and kernel management.

Get up to date with the finer points of Ubuntu Server using this comprehensive guide About This Book Get well-versed with newly-added features in Ubuntu 16.04 Master the art of installing, managing, and troubleshooting Ubuntu Server A practical easy-to-understand book that will help you enhance your existing skills. Who This Book Is For This book is intended for readers with intermediate or advanced-beginner skills with Linux, who would like to learn all about setting up servers with Ubuntu Server. This book assumes that the reader knows the basics of Linux, such as editing configuration files and running basic commands. What You Will Learn Learn how to manage users, groups, and permissions Encrypt and decrypt disks with Linux Unified Key Setup /Luks Setup SSH for remote access, and connect it to other nodes Understand how to add, remove, and search for packages Use NFS and Samba to share directories with other users Get to know techniques for managing Apache and MariaDB Explore best practices and troubleshooting techniques In Detail Ubuntu is a Debian-based Linux operating system, and has various versions targeted at servers, desktops, phones, tablets and televisions. The Ubuntu Server Edition, also called Ubuntu Server, offers support for several common configurations, and also simplifies common Linux server deployment processes. With this book as their guide, readers will be able to configure and deploy Ubuntu Servers using Ubuntu Server 16.04, with all the skills necessary to manage real servers. The book begins with the concept of user management, group management, as well as file-system permissions. To manage your storage on Ubuntu Server systems, you will learn how to add and format storage and view disk usage. Later, you will also learn how to configure network interfaces, manage IP addresses, deploy Network Manager in order to connect to networks, and manage network interfaces. Furthermore, you will understand how to start and stop services so that you can manage running processes on Linux servers. The book will then demonstrate how to access and share files to or from Ubuntu Servers. You will learn how to create and manage databases using MariaDB and share web content with Apache. To virtualize hosts and applications, you will be shown how to set up KVM/Qemu and Docker and manage virtual machines with virt-manager. Lastly, you will explore best practices and troubleshooting techniques when working with Ubuntu Servers. By the end of the book, you will be an expert Ubuntu Server user well-versed in its advanced concepts. Style and Approach This book is an advanced guide that will show readers how to administer, manage, and deploy Ubuntu server and will also provide expert-level knowledge on advanced security and backup techniques.

The world's #1 Ubuntu (and Linux!) book: authorized and promoted by Canonical, and fully updated for the newest release \* \* Everything Ubuntu users need to know to make the most of the brand-new version of Ubuntu - from installation through desktop and server capabilities. \* New coverage ranges from 3G modems to finding help on the Ubuntu forums \* Co-marketed by Canonical with the official Ubuntu logo and an updated Foreword by Ubuntu project founder Mark Shuttleworth. Authorized and aggressively co-promoted by Canonical, The Official Ubuntu Book has consistently been the market's best-selling Ubuntu guide - and it's dominated Amazon's Linux best-seller list for years. Now, this book has been fully revised to reflect Ubuntu 9.04 This new Fourth Edition contains extensive new coverage, including: \* \* More thorough coverage of Ubuntu's server capabilities, which have been a major recent focus of Canonical's development and community promotion activities. \* Updated recipes for performing the most common tasks and solving the most common problems. \* An entirely new chapter on finding help through Ubuntu's active worldwide community forums. \* A new Foreword by Ubuntu project founder Mark Shuttleworth This book's fully updated coverage includes: Ubuntu installation; desktop capabilities; advanced usage; server deployment; server and desktop administration; support and troubleshooting; Kubuntu and its KDE graphical environment; Edubuntu for educational environments; working from the Ubuntu command line; free, open source Ubuntu equivalents to Windows programs; and much more.

The Official Ubuntu Book Prentice Hall

A business parable inspired by the African philosophy of cooperative teamwork explains how to foster success and personal fulfillment by creating working environments where people look out for one another and avoid self-promoting behaviors.

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 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

Ubuntu is premised on the ethical belief that an individual's humanity is fostered in a network of human relationships: I am because you are; we are because you are. The essays in this lively volume elevate the debate about ubuntu beyond the buzzword it has become, especially within South African religious and political contexts. The seasoned scholars and younger voices gathered here grapple with a range of challenges that ubuntu puts forward. They break down its history and analyze its intellectual surroundings in African philosophical traditions, European modernism, religious contexts, and human rights discourses. The discussion embraces questions about what it means to be human and to be a part of a community, giving attention to moments of loss and fragmentation in postcolonial modernity, to come to a more meaningful definition of belonging in a globalizing world. Taken together, these essays offer a rich understanding of ubuntu in all of its complexity and reflect on a value system rooted in the everyday practices of ordinary people in their daily encounters with churches, schools, and other social institutions.

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, Third Edition, covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior systems 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 and cloud computing. 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 e-mail 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 Deploy your own Ubuntu servers in the cloud

Covers 18.04, 18.10, 19.04, and 19.10 Ubuntu Unleashed 2019 Edition is filled with unique and advanced information for everyone who wants to make the most of the Ubuntu Linux operating system. This new edition has been thoroughly updated, including two new chapters, by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 18.04 LTS release, with forthcoming online updates for 18.10, 19.04, and 19.10 when they are released. Linux writer Matthew Helmke covers all you need to know about Ubuntu 18.04 LTS 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 presents up-to-the-minute introductions to Ubuntu's key productivity and web development tools, programming languages, hardware support, and more. You'll find new or improved coverage of the Ubuntu desktop experience, common web servers and software stacks, containers like Docker and Kubernetes, as well as a wealth of systems administration information that is stable and valuable over many years. Configure and use the Ubuntu 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 and cloud deployment, including information about containers Learn the basics about popular programming languages including Python, PHP, Perl, and gain an introduction to new alternatives such as Go and Rust Full of tips, tricks, and helpful pointers, this is a hands-on, project-based guide to Ubuntu, a completely free Linux operating system. The authors tackle topics of interest to the everyday user, such as customizing the desktop, installing programs, and playing audio and video.

'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.'

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

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"

As you travel Africa, you will find the way of ubuntu – the universal bond that connects all of humanity as one. At the age of twenty-eight, while sitting in a friend's backyard in the remote mining township of Jabiru, Heather Ellis has a light-bulb moment: she is going to ride a motorcycle across Africa. The idea just feels right – no matter that she's never done any long-distance motorcycle travelling before, and has never even set foot on the African continent. Twelve months later, Heather unloads her Yamaha TT600 at the docks in Durban, South Africa, and her adventure begins. Her travels take her to the dizzying heights of Mt Kilimanjaro and the Rwenzori Mountains, to the deserts of northern Kenya where she is befriended by armed bandits and rescued by Turkana fishermen, to a stand-off with four Ugandan men intent on harm, and to a voyage on a 'floating village' on the mighty Zaire River. Everywhere she goes Heather is aided by locals and travellers alike, who take her into their homes and hearts, helping her to truly understand the spirit of ubuntu – a Bantu word meaning 'I am because you are'. Ubuntu is the extraordinary story of a young woman who, alone and against all odds, rode a motorcycle to some of the world's most remote, beautiful and dangerous places.

Explore the potential of Ubuntu 20.04 to manage your local machine and external servers with easeKey Features\* Learn how to install Ubuntu on a clean disk drive and with the network installer\* Find out how to set up a firewall to protect your system from vulnerable attacks\* Explore file-sharing services such as Samba and NFS to share files from Ubuntu to third-party systemsBook DescriptionUbuntu is undeniably one of the most highly regarded and widely used Debian-based Linux distributions available today. Thanks to its ease of use and reliability, Ubuntu has a loyal following of Linux users and an active community of developers.Ubuntu 20.04 Essentials is designed to take you through the installation, use, and administration of the Ubuntu 20.04 distribution in detail. 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 along with crucial security topics such as configuring a firewall and user and group administration.For the experienced user, the book delves into topics such as remote desktop access, the Cockpit web interface, logical volume management (LVM), disk partitioning, and swap management. Further, it also explores KVM virtualization, Secure Shell (SSH), Linux containers, and file sharing using both Samba and NFS to provide a thorough overview of this enterprise-class operating system.What you will learn\* Get to grips with the process of installing and booting Ubuntu\* Configure SSH key-based authentication on Ubuntu\* Create KVM virtual machines using Cockpit and the Virtual Machine Manager (VMM)\* Install, run, and manage containers on Ubuntu\* Send and receive emails using a third-party SMTP relay server\* Add a new disk to an Ubuntu volume group and logical volumeWho this book is forIf you are into network engineering or system administration or are a Linux enthusiast looking to get hands-on with Ubuntu 20.04 to manage local and virtual machines, this book is for you. A solid understanding of basic Linux commands and knowledge of Ubuntu is recommended.

Quickly learn how to use Ubuntu, the fastest growing Linux distribution, in a personal or enterprise environment Whether you're a newcomer to Linux or an experienced system administrator, the Ubuntu Linux Bible provides what you need to get the most out of one the world's top Linux distributions. Clear, step-by-step instructions cover everything from installing Ubuntu and creating your desktop, to writing shell scripts and setting up file sharing on your network. This up-to-date guide covers the latest Ubuntu release with long-term support (version 20.04 ) as well as the previous version. Throughout the book, numerous examples, figures, and review questions with answers ensure that you will fully understand each key topic. Organized into four parts, the book offers you the flexibility to master the basics in the "Getting Started with Ubuntu Linux" section, or to skip directly to more advanced tasks. "Ubuntu for Desktop Users" shows you how to setup email, surf the web, play games, and create and publish documents, spreadsheets, and presentations. "Ubuntu for System Administrators" covers user administration, system backup, device management, network configuration, and other fundamentals of Linux administration. The book's final section, "Configuring Servers on Ubuntu," teaches you to use Ubuntu to support network servers for the web, e-mail, print services, networked file sharing, DHCP (network address management), and DNS (network name/address resolution). This comprehensive, easy-to-use guide will help you: Install Ubuntu and create the perfect Linux desktop Use the wide variety of software included with Ubuntu Linux Stay up to date on recent changes and new versions of Ubuntu Create and edit graphics, and work with consumer IoT electronic devices Add printers, disks, and other devices to your system Configure core network services and administer Ubuntu systems Ubuntu Linux Bible is a must-have for anyone looking for an accessible, step-by-step tutorial on this hugely popular Linux operating system.

The free Ubuntu operating system has won the hearts and minds of millions of users worldwide. It combines a strong technical platform, impressive quality, and an enthusiastic

global community of users who relentlessly support, document, and test it. The Official Ubuntu Book, Ninth Edition, has been extensively updated with a single goal: to make running today's Ubuntu even more pleasant and productive for you. It's the ideal one-stop knowledge source for Ubuntu novices, those upgrading from older versions or other Linux distributions, and anyone moving toward power-user status. Its expert authors focus on what you need to know most about installation, applications, media, administration, software applications, and much more. You'll discover powerful Unity desktop improvements that make Ubuntu even friendlier and more convenient. You'll also connect with the amazing Ubuntu community and the incredible resources it offers you. Learn how to Reliably install, customize, and update Ubuntu for any home, business, school, or government environment Get up and running quickly, and then explore Ubuntu and download powerful free software Customize Ubuntu for performance, accessibility, and fun Get comfortable with the highly efficient Ubuntu command line Install, administer, and secure Ubuntu Server, including advanced features such as LVM and RAID Get involved with related Ubuntu projects Help build, promote, distribute, support, document, or translate Ubuntu Get up-to-the-minute help and troubleshooting advice from Ubuntu users worldwide

??? Explore Ubuntu OS ??? You've probably used Windows OS; maybe you've used MacOS. But Linux? Linux has been around for years, but it's still relatively unused by the masses. This isn't to say it isn't powerful. Some argue that it's more powerful than any OS out there. This book will cover arguably the most popular version of Linux: Ubuntu. You'll learn about: Installing Ubuntu Where things are An overview of the core features An overview of the software Using Ubuntu Utilities Using Ubuntu settings And more The book is intended for beginners who have never used Ubuntu or are still considering whether or not they want to download it.

BPF and related observability tools give software professionals unprecedented visibility into software, helping them analyze operating system and application performance, troubleshoot code, and strengthen security. BPF Performance Tools: Linux System and Application Observability is the industry's most comprehensive guide to using these tools for observability. Brendan Gregg, author of the industry's definitive guide to system performance, introduces powerful new methods and tools for doing analysis that leads to more robust, reliable, and safer code. This authoritative guide: Explores a wide spectrum of software and hardware targets Thoroughly covers open source BPF tools from the Linux Foundation iovisor project's bcc and bpftrace repositories Summarizes performance engineering and kernel internals you need to understand Provides and discusses 150+ bpftrace tools, including 80 written specifically for this book: tools you can run as-is, without programming — or customize and develop further, using diverse interfaces and the bpftrace front-end You'll learn how to use BPF (eBPF) tracing tools to analyze CPUs, memory, disks, file systems, networking, languages, applications, containers, hypervisors, security, and the Linux kernel. You'll move from basic to advanced tools and techniques, producing new metrics, stack traces, custom latency histograms, and more. It's like having a superpower: with Gregg's guidance and tools, you can analyze virtually everything that impacts system performance, so you can improve virtually any Linux operating system or application.

A guide to Ubuntu covers such topics as installation, configuration, the filesystem, the command line, system maintenance and security, networking, using OpenOffice.org, Web browsing, and playing games.

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

"The objective of this book is to shed some light through a variety of contributed chapters on Ubuntu, Africa's unique philosophy because Knowledge of 'Ubuntu' will help minimize cross-cultural communication barriers when people from outside Sub-Saharan Africa interact with those of other regions of the world"--

Everything you need to know—and then some! It's the fastest-growing, coolest Linux distribution out there, and now you can join the excitement with this information-packed guide. Want to edit graphics? Create a spreadsheet? Manage groups? Set up an NFS server? You'll learn it all and more with the expert guidance, tips, and techniques in this first-ever soup-to-nuts book on Ubuntu. From the basics for newcomers to enterprise management for system administrators, it's what you need to succeed with Ubuntu. Master

the fundamentals for desktop and networks Send e-mail, share files, edit text, and print Download music, watch DVDs, and play games Use Ubuntu on laptops, go wireless, or synch it with your PDA Set up Web, mail, print, DNS, DHCP, and other servers Manage groups and secure your network What's on the CD-ROM? Test-drive Ubuntu on your computer without changing a thing using the bootable Ubuntu Desktop Live CD included with this book. If you decide to install it permanently, a simple, easy-to-use installer is provided. Also on the CD, you'll find: Popular open-source software for Microsoft(r) Windows(r), such as AbiWord, Firefox(r), GIMP, and more An easy-to-use application that simplifies installing these programs on your Microsoft Windows system System Requirements: Please see the "About the CD-ROM Appendix" for details and complete system requirements. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

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.

[Copyright: f6d7f38f010b1a5d9986504a5b369944](https://www.ubuntu.com/legal/copyright)