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KEY=OFFICIAL - MILLER CONRAD

OFFICIAL UBUNTU BOOK

Pearson Education India

THE OFFICIAL UBUNTU SERVER BOOK

Pearson Education 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 LINUX UNLEASHED 2021 EDITION

Addison-Wesley Professional 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 LINUX COMMAND LINE

A COMPLETE INTRODUCTION

No Starch Press 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"

BEGINNING UBUNTU LINUX

Apress 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.

UBUNTU

POWERFUL HACKS AND CUSTOMIZATIONS

John Wiley and Sons Tune, tweak, and change the popular Ubuntu Linux operating system! Ubuntu is a community developed, Linux-based operating system that is perfect for laptops, desktops, and servers, and is used by millions of people around the world. This book provides you with practical hacks and tips that are not readily available online, in FAQ files, or any other Ubuntu book on the market so that you can customize your Ubuntu system for your specific needs. Bridging the gap between introductory information and overly technical coverage, this unique resource presents complex hacks and ways to extend them. You'll feast on numerous tips, hints, and little-known secrets for getting the most out of your Ubuntu system. Coverage includes: Hacking the Installation Selecting a Distribution Selecting the Ubuntu Version The 10-Step Boot Configuration Booting Variations and Troubleshooting Tweaking the BusyBox Upgrading Issues with Ubuntu Configuring GRUB Customizing the User Environment Configuring Devices Adapting Input Devices Managing Software Communicating Online Collaborating Tuning Processes Multitasking Applications Locking Down Ubuntu Advanced Networking Enabling Services If you're a power user hungry for cutting-edge hacks to intensify your Ubuntu system, then this is the book for you! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

A PRACTICAL GUIDE TO UBUNTU LINUX

Pearson Education 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!

THE LESSONS OF UBUNTU

HOW AN AFRICAN PHILOSOPHY CAN INSPIRE RACIAL HEALING IN AMERICA

Simon and Schuster 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 AS DANCE PEDAGOGY IN UGANDA

INDIVIDUALITY, COMMUNITY, AND INCLUSION IN TEACHING AND LEARNING OF INDIGENOUS DANCES

Springer Nature This book locates the philosophy of Ubuntu as the undergirding framework for indigenous dance pedagogies in local communities in Uganda. Through critical examination of the reflections and practices of selected local dance teachers, the volume reveals how issues of inclusion, belonging, and agency are negotiated through a creatively complex interplay between individuality and communality. The analysis frames pedagogies as sites where reflective thought and kinaesthetic practice converge to facilitate ever-evolving individual imagination and community innovations.

UBUNTU LINUX BIBLE

John Wiley & Sons 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 MADE EASY

A PROJECT-BASED INTRODUCTION TO LINUX

No Starch Press 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.

UNDERSTANDING UBUNTU FOR ENHANCING INTERCULTURAL COMMUNICATIONS

IGI Global 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.

I AM YOU

A BOOK ABOUT UBUNTU

Amazon Crossing Kids 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.

THE LINUX COMMAND LINE, 2ND EDITION

A COMPLETE INTRODUCTION

No Starch Press 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.

THE OFFICIAL UBUNTU BOOK

Prentice Hall 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 "

RE-INVIGORATING UBUNTU THROUGH WATER: A HUMAN RIGHT TO WATER UNDER THE NAMIBIAN CONSTITUTION

Pretoria University Law Press This book argues for the existence of a court enforceable human right to water that is implied from the right to life in Article 6 of the Namibian Constitution. The book builds this argument by using tools of constitutional interpretation and with the aid of comparative materials. As such, the African value of ubuntu is invoked. Ubuntu – which is legally developed through its four key principles of community, interdependence, dignity and solidarity – is anchored in a novel approach to Namibian constitutional interpretation that is conceptualised as ‘re-invigorative constitutionalism’. The book advances the ‘AQuA’ (adequacy – quality – accessibility) content of water and articulates the correlative duties within the context of the respect – protect – fulfil trilogy, which are duties imposed upon the Namibian state as the primary duty bearer for a right to water. These duties include irreducible essential content duties that are argued to be immediate when compared to general obligations. In giving substance to duties that flow from a right to water, international law interpretative resources are also relied upon, including General Comment No 15 by the United Nations Committee on Social, Economic and Cultural Rights, the African Commission’s Principles and Guidelines on Social and Economic Rights, and the World Health Organisation’s Drinking-water Quality Guidelines. Moreover, the book addresses various justiciability concerns that may arise, arguing that Namibian courts are institutionally competent and legitimate in enforcing right to water claims through the application of the bounded deliberation model. Additionally, because the Principles of State Policy in Article 95 of the Namibian Constitution are rendered court unenforceable by Article 101, the argument is made that this does not undermine the claim that a right to water, anchored in the right to life, can be enforced through the courts. - Dr Ndjodi Ndeunyema Modern Law Review Early Career Research Fellow, University of Oxford.

UBUNTU AND THE RECONSTITUTION OF COMMUNITY

Indiana University Press 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.

LINUX FOR DUMMIES

John Wiley & Sons One of the fastest ways to learn Linux is with this perennial favorite Eight previous top-selling editions of Linux For Dummies can't be wrong. If you've been wanting to migrate to Linux, this book is the best way to get there. Written in easy-to-follow, everyday terms, Linux For Dummies 9th Edition gets you started by concentrating on two distributions of Linux that beginners love: the Ubuntu LiveCD distribution and the gOS Linux distribution, which comes pre-installed on Everex computers. The book also covers the full Fedora distribution. Linux is an open-source operating system and a low-cost or free alternative to Microsoft Windows; of numerous distributions of Linux, this book covers Ubuntu Linux, Fedora Core Linux, and gOS Linux, and includes them on the DVD. Install new open source software via Synaptic or RPM package managers Use free software to browse the Web, listen to music, read e-mail, edit photos, and even run Windows in a virtualized environment Get acquainted with the Linux command line If you want to get a solid foundation in Linux, this popular, accessible book is for you. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

UBUNTU POCKET GUIDE AND REFERENCE

Createspace Indie Pub Platform "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.

ASTERISK

THE FUTURE OF TELEPHONY

"O'Reilly Media, Inc." Provides information on Asterisk, an open source telephony application.

UBUNTU LINUX BIBLE

John Wiley & Sons 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.

R MARKDOWN

THE DEFINITIVE GUIDE

CRC Press R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including

knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Golemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

LINUX NETWORKING COOKBOOK

FROM ASTERISK TO ZEBRA WITH EASY-TO-USE RECIPES

"O'Reilly Media, Inc." This soup-to-nuts collection of recipes covers everything you need to know to perform your job as a Linux network administrator, whether you're new to the job or have years of experience. With Linux Networking Cookbook, you'll dive straight into the gnarly hands-on work of building and maintaining a computer network. Running a network doesn't mean you have all the answers. Networking is a complex subject with reams of reference material that's difficult to keep straight, much less remember. If you want a book that lays out the steps for specific tasks, that clearly explains the commands and configurations, and does not tax your patience with endless ramblings and meanderings into theory and obscure RFCs, this is the book for you. You will find recipes for: Building a gateway, firewall, and wireless access point on a Linux network Building a VoIP server with Asterisk Secure remote administration with SSH Building secure VPNs with OpenVPN, and a Linux PPTP VPN server Single sign-on with Samba for mixed Linux/Windows LANs Centralized network directory with OpenLDAP Network monitoring with Nagios or MRTG Getting acquainted with IPv6 Setting up hands-free networks installations of new systems Linux system administration via serial console And a lot more. Each recipe includes a clear, hands-on solution with tested code, plus a discussion on why it works. When you need to solve a network problem without delay, and don't have the time or patience to comb through reference books or the Web for answers, Linux Networking Cookbook gives you exactly what you need.

MAKING SERVERS WORK

A PRACTICAL GUIDE TO LINUX SYSTEM ADMINISTRATION

DigitalOcean 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.

PRO UBUNTU SERVER ADMINISTRATION

Apress 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

UNDERSTANDING THE LINUX KERNEL

"O'Reilly Media, Inc." To thoroughly understand what makes Linux tick and why it's so efficient, you need to delve deep into the heart of the operating system--into the Linux kernel itself. The kernel is Linux--in the case of the Linux operating system, it's the only bit of software to which the term "Linux" applies. The kernel handles all the requests or completed I/O operations and determines which programs will share its processing time, and in what order. Responsible for the sophisticated memory management of the whole system, the Linux kernel is the force behind the legendary Linux efficiency. The new edition of *Understanding the Linux Kernel* takes you on a guided tour through the most significant data structures, many algorithms, and programming tricks used in the kernel. Probing beyond the superficial features, the authors offer valuable insights to people who want to know how things really work inside their machine. Relevant segments of code are dissected and discussed line by line. The book covers more than just the functioning of the code, it explains the theoretical underpinnings for why Linux does things the way it does. The new edition of the book has been updated to cover version 2.4 of the kernel, which is quite different from version 2.2: the virtual memory system is entirely new, support for multiprocessor systems is improved, and whole new classes of hardware devices have been added. The authors explore each new feature in detail. Other topics in the book include: Memory management including file buffering, process swapping, and Direct memory Access (DMA) The Virtual Filesystem and the Second Extended Filesystem Process creation and scheduling Signals, interrupts, and the essential interfaces to device drivers Timing Synchronization in the kernel Interprocess Communication (IPC) Program execution *Understanding the Linux Kernel, Second Edition* will acquaint you with all the inner workings of Linux, but is more than just an academic exercise. You'll learn what conditions bring out Linux's best performance, and you'll see how it meets the challenge of providing good system response during process scheduling, file access, and memory management in a wide variety of environments. If knowledge is power, then this book will help you make the most of your Linux system.

AFRICAN MARKETS AND THE UTU-UBUNTU BUSINESS MODEL

A PERSPECTIVE ON ECONOMIC INFORMALITY IN NAIROBI

African Books Collective The persistence of indigenous African markets in the context of a hostile or neglectful business and policy environment makes them

worthy of analysis. An investigation of Afrocentric business ethics is long overdue. Attempting to understand the actions and efforts of informal traders and artisans from their own points of view, and analysing how they organise and get by, allows for viable approaches to be identified to integrate them into global urban models and cultures. Using the utu-ubuntu model to understand the activities of traders and artisans in Nairobi's markets, this book explores how, despite being consistently excluded and disadvantaged, they shape urban spaces in and around the city, and contribute to its development as a whole. With immense resilience, and without discarding their own socio-cultural or economic values, informal traders and artisans have created a territorial complex that can be described as the African metropolis. *African Markets and the Utu-ubuntu Business Model* sheds light on the ethics and values that underpin the work of traders and artisans in Nairobi, as well as their resilience and positive impact on urbanisation. This book makes an important contribution to the discourse on urban economics and planning in African cities.

UBUNTU

UP AND RUNNING

"O'Reilly Media, Inc." 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.

X86-64 ASSEMBLY LANGUAGE PROGRAMMING WITH UBUNTU

Independently Published 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).

BOOKDOWN

AUTHORING BOOKS AND TECHNICAL DOCUMENTS WITH R MARKDOWN

CRC Press bookdown: *Authoring Books and Technical Documents with R Markdown* presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references.

Similar to LaTeX, you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is fully available on GitHub.

AFRICANITY AND UBUNTU AS DECOLONIZING DISCOURSE

Springer Nature This book explores and discusses emerging perspectives of Ubuntu from the vantage point of “ordinary” people and connects it to human rights and decolonizing discourses. It engages a decolonizing perspective in writing about Ubuntu as an indigenous concept. The fore grounding argument is that one’s positionality speaks to particular interests that may continue to sustain oppressions instead of confronting and dismantling them. Therefore, a decolonial approach to writing indigenous experiences begins with transparency about the researcher’s own positionality. The emerging perspectives of this volume are contextual, highlighting the need for a critical reading for emerging, transformative and alternative visions in human relations and social structures.

BASH GUIDE FOR BEGINNERS (SECOND EDITION)

Fultus Corporation The Bash Guide for Beginners (Second Edition) discusses concepts useful in the daily life of the serious Bash user. While a basic knowledge of shell usage is required, it starts with a discussion of shell building blocks and common practices. Then it presents the grep, awk and sed tools that will later be used to create more interesting examples. The second half of the course is about shell constructs such as loops, conditional tests, functions and traps, and a number of ways to make interactive scripts. All chapters come with examples and exercises that will help you become familiar with the theory.

SYSTEMS PERFORMANCE

ENTERPRISE AND THE CLOUD

Pearson Education “Large-scale enterprise, cloud, and virtualized computing systems have introduced serious performance challenges. Now, internationally renowned performance expert Brendan Gregg has brought together proven methodologies, tools, and metrics for analyzing and tuning even the most complex environments. Systems Performance: Enterprise and the Cloud focuses on Linux® and Unix® performance, while illuminating performance issues that are relevant to all operating

systems. You'll gain deep insight into how systems work and perform, and learn methodologies for analyzing and improving system and application performance. Gregg presents examples from bare-metal systems and virtualized cloud tenants running Linux-based Ubuntu®, Fedora®, CentOS, and the illumos-based Joyent® SmartOSTM and OmniTI OmniOS®. He systematically covers modern systems performance, including the "traditional" analysis of CPUs, memory, disks, and networks, and new areas including cloud computing and dynamic tracing. This book also helps you identify and fix the "unknown unknowns" of complex performance: bottlenecks that emerge from elements and interactions you were not aware of. The text concludes with a detailed case study, showing how a real cloud customer issue was analyzed from start to finish."--Back cover.

UBUNTU LINUX TOOLBOX: 1000+ COMMANDS FOR POWER USERS

John Wiley & Sons This updated bestseller from Linux guru Chris Negus is packed with an array of new and revised material As a longstanding bestseller, *Ubuntu Linux Toolbox* has taught you how to get the most out of Ubuntu, the world's most popular Linux distribution. With this anticipated new edition, Christopher Negus returns with a host of new and expanded coverage on tools for managing file systems, ways to connect to networks, techniques for securing Ubuntu systems, and a look at the latest Long Term Support (LTS) release of Ubuntu, all aimed at getting you up and running with Ubuntu Linux quickly. Covers installation, configuration, shell primer, the desktop, administrations, servers, and security Delves into coverage of popular applications for the web, productivity suites, and e-mail Highlights setting up a server (Apache, Samba, CUPS) Boasts a handy trim size so that you can take it with you on the go *Ubuntu Linux Toolbox, Second Edition* prepares you with a host of updated tools for today's environment, as well as expanded coverage on everything you know to confidently start using Ubuntu today.

R FOR DATA SCIENCE

IMPORT, TIDY, TRANSFORM, VISUALIZE, AND MODEL DATA

"O'Reilly Media, Inc." Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, *R for Data Science* is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: *Wrangle*—transform your datasets into a form convenient for analysis *Program*—learn powerful R tools for solving data problems with greater clarity and ease *Explore*—examine your data, generate hypotheses, and quickly test them *Model*—provide a low-dimensional summary that captures true "signals" in your

dataset Communicate—learn R Markdown for integrating prose, code, and results

LINUX: THE COMPLETE REFERENCE, SIXTH EDITION

McGraw Hill Professional 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

UBUNTU STRATEGIES

CONSTRUCTING SPACES OF BELONGING IN CONTEMPORARY SOUTH AFRICAN CULTURE

Springer Hanneke Stuit delves into Ubuntu's relevance both in South Africa and in Western contexts, analyzing the political and ethical ramifications of the term's uses in different media including literature, cartoons, journalistic fiction, commercials, commodities, photography, and political manifestos in contemporary South African culture.

THE DOCKER BOOK

CONTAINERIZATION IS THE NEW VIRTUALIZATION

James Turnbull Updated for Docker Community Edition v18.09! Docker book designed for SysAdmins, SREs, Operations staff, Developers and DevOps who are interested in deploying the open source container service Docker. In this book, we'll walk you through installing, deploying, managing, and extending Docker. We're going to do that by first introducing you to the basics of Docker and its components. Then we'll start to use Docker to build containers and services to perform a variety of tasks. We're going to take you through the development lifecycle, from testing to production, and see where Docker fits in and how it can make your life easier. We'll make use of Docker to build test environments for new projects, demonstrate how to integrate Docker with continuous integration workflow, and then how to build

application services and platforms. Finally, we'll show you how to use Docker's API and how to extend Docker yourself. We'll teach you how to: * Install Docker. * Take your first steps with a Docker container. * Build Docker images. * Manage and share Docker images. * Run and manage more complex Docker containers. * Deploy Docker containers as part of your testing pipeline. * Build multi-container applications and environments. * Learn about orchestration using Compose and Swarm for the orchestration of Docker containers and Consul for service discovery. * Explore the Docker API. * Getting Help and Extending Docker.

UBUNTU 19.04 DESKTOP: APPLICATIONS AND ADMINISTRATION

Surfing Turtle Press This book covers the Ubuntu 19.04 (Disco Dingo) release, focusing on applications and administrative tools. The emphasis here is on what users will face when using Ubuntu, covering topics like installation, applications, software management, the Ubuntu desktops (GNOME, MATE, and KDE), shell commands, network connections, and system administration tasks. There are four parts: Getting Started, Applications, Desktops, and Administration. Part 1 focuses on getting started, covering Ubuntu information and resources, using Ubuntu Live DVD/USB discs, installing and setting up Ubuntu, upgrading Ubuntu, basic use of the desktop interface, and connecting to wired and wireless networks. Ubuntu Software and Synaptic Package manager, which provides easy and effective software management, are both discussed. Part 2 keys in on office, multimedia, mail, Internet, and social media applications. Part 3 covers the Ubuntu, Kubuntu, Ubuntu MATE, Xubuntu, and Lubuntu desktops, as well as the BASH shell. The Ubuntu desktop with the GNOME interface is examined in detail. Part 4 deals with administration topics, first discussing system tools like the GNOME system monitor, the Disk Usage Analyzer, and Disk Utility. Then a detailed chapter on Ubuntu system administration tools is presented, covering tasks such as managing users and file systems, Bluetooth setup, network folder sharing, backups, and printing. The network connections chapter covers a variety of network tasks, including manual configuration of wired and wireless connections, and firewalls.

UBUNTU 20.04 LTS DESKTOP

APPLICATIONS AND ADMINISTRATION

Surfing Turtle Press This book covers the Ubuntu 20.04 LTS (Focal Fossa) release, focusing on applications and administrative tools. The emphasis here is on what users will face when using Ubuntu, covering topics like installation, applications, software management for Snap and APT, the Ubuntu desktops (GNOME, MATE, and KDE), shell commands, network connections, and system administration tasks. There are four parts: Getting Started, Applications, Desktops, and Administration. Part 1 focuses on getting started, covering Ubuntu information and resources, using the Ubuntu Live DVD/USB drive, installing and setting up Ubuntu, upgrading Ubuntu, basic use of the desktop interface, and connecting to wired and wireless networks. Repositories and their use are covered in detail, along with the new Snap system for managing Snap packages. Ubuntu Snap package management with Ubuntu

Software, the snap command, the Snap Store are examined, as well as APT package management with Gnome Software, the Synaptic Package Manager, and the apt and apt-get commands. Part 2 keys in on office, multimedia, mail, Internet, and social media applications. Part 3 covers the Ubuntu, Kubuntu, Ubuntu MATE, Xubuntu, and Lubuntu desktops. as well as the BASH shell. The Ubuntu desktop, which uses GNOME, is examined in detail. Part 4 deals with administration topics, first discussing system tools like the GNOME system monitor, the Disk Usage Analyzer, Seahorse, and Disk Utility. Then a detailed chapter on Ubuntu system administration tools is presented, covering tasks such as managing users and file systems, Bluetooth setup, network folder sharing, backups, and printing. The network connections chapter covers a variety of network tasks, including manual configuration of wired and wireless connections, and firewalls.