# The Linux Screenshot Tour Book An Illustrated Guide To The Most Popular Linux Distributions

Learn how to write high-quality kernel module code, solve common Linux kernel programming issues, and understand the fundamentals of Linux kernel internals Key Features Discover how to write kernel code using the Loadable Kernel Module framework Explore industry-grade techniques to perform efficient memory allocation and data synchronization within the kernel Understand the essentials of key internals topics such as kernel architecture, memory management, CPU scheduling, and kernel synchronization Book Description Linux Kernel Programming is a comprehensive introduction for those new to Linux kernel and module development. This easy-to-follow guide will have you up and running with writing kernel code in next-to-no time. This book uses the latest 5.4 Long-Term Support (LTS) Linux kernel, which will be maintained from November 2019 through to December 2025. By working with the 5.4 LTS kernel throughout the book, you can be confident that your knowledge will continue to be valid for years to come. This Linux book begins by showing you how to build the kernel from the source. Next, you'll learn how to write your first kernel module using the powerful Loadable Kernel Module (LKM) framework. The book then covers key kernel internals topics including Linux kernel architecture, memory management, and CPU scheduling. Next, you'll delve into the fairly complex topic of concurrency within the kernel, understand the issues it can cause, and learn how they can be addressed with various locking technologies (mutexes, spinlocks, atomic, and refcount operators). You'll also benefit from more advanced material on cache effects, a primer on lock-free techniques within the kernel, deadlock avoidance (with lockdep), and kernel lock debugging techniques. By the end of this kernel book, you'll have a detailed understanding of the fundamentals of writing Linux kernel module code for real-world projects and products. What you will learn Write high-quality modular kernel code (LKM framework) for 5.x kernels Configure and build a kernel from source Explore the Linux kernel architecture Get to grips with key internals regarding memory management within the kernel Understand and work with various dynamic kernel memory alloc/dealloc APIs Discover key internals aspects regarding CPU scheduling within the kernel Gain an understanding of kernel concurrency issues Find out how to work with key kernel synchronization primitives Who this book is for This book is for Linux programmers beginning to find their way with Linux kernel development. Linux kernel and driver developers looking to overcome frequent and common kernel development issues, as well as understand kernel internals, will benefit from this book. A basic understanding of Linux CLI and C programming is required.

GNU/Linux is an immensely popular operating system that is both extremely stable and reliable. But it can also induce minor headaches at the most inopportune times, if you're not fully up to speed with its capabilities. A unique approach to running and administering Linux systems, Linux Annoyances for Geeks addresses the many poorly documented and under-appreciated topics that make the difference between a system you struggle with and a system you really enjoy. This book is for power users and system administrators who want to clear away barriers to using Linux for themselves and for less-trained users in their organizations. This book meticulously tells you how to get a stubborn wireless card to work under Linux, and reveals little-known sources for wireless driversand information. It tells you how to add extra security to your systems, such as boot passwords, and how to use tools such as rescue disks to overcome overly zealous security measures in a pinch. In everyarea of desktop and server use, the book is chock full of advice based on hard-earned experience. Author Michael Jang has spent many hours trying out software in a wide range of environments and carefully documenting solutions for the most popular Linux distributions. (The book focuses on Red Hat/Fedora, SUSE, and Debian.) Many of the topics presented here are previously undocumented or are discussed only in obscure email archives. One of the valuable features of this book for system administrators and Linux proponents in general is the organization of step-by-step procedures that they can customize for naive end-users at their sites. Jang has taken into account not only the needs of a sophisticated readership, but the needs of other people those readers may serve. Sometimes, a small thing for a user (such as being able to play a CD) or for an administrator (such as updating an organizations' systems from a central server) can make or break the adoption of Linux. This book helps you overcome the most common annoyances in deploying Linux, and trains you in the techniques that will help you overcome other problems you find along the way. In keeping with the spirit of the Annoyances series, the book adopts a sympathetic tone that will quickly win you over. Rather than blaming you for possessing limited Linux savvy, Linux Annoyances for Geeks takes you along for a fun-filled ride as you master the system together.

The leading Fedora book-over a quarter of a million copies sold of previous editions! What better way to learn Fedora 11 than with the leading Fedora book from the best-selling Linux author, Christopher Negus with Eric Foster Johnson? Whether you're new to Linux or an advanced user, this power-packed guide is loaded with what you need. Install, run, and manage the latest version of Fedora and Red Hat Enterprise Linux-then polish your system administration skills and get up to speed on the very latest in networking, desktop, and server enhancements. Master the Linux shell, file system, and text editor; how to set up users and automate system tasks; and much more in over a thousand pages of step-by-step instruction. Boot the full DVD of Fedora 11, including almost all binary code packages, or do a Live Install of the CD for rescuing, troubleshooting, or installing Fedora. Fedora is a free, open source Linux operating system sponsored by Red Hat as an open source community project; the technological innovations from the Fedora Project are then implemented in Red Hat's commercial offering, Red Hat Enterprise Linux Covers step-by-step instructions for making Linux installation simple and painless; how to take advantage of the desktop interface (including coverage of AIGLX); and how to use the Linux shell, file system, and text editor Also covers setting up users; automating system tasks; backing up and restoring files; dealing with the latest security issues and threats; using and customizing the desktop menus, icons,

window manager, and xterm; and how to create and publish formatted documents with Linux applications The DVD and CD that come with the book include Fedora Linux 11 and an official Fedora 11 LiveCD (bootable and installable) This is the book you need to succeed with Fedora 11 and Red Hat Enterprise Linux. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

iPhone and iOS Forensics is a guide to the forensic acquisition and analysis of iPhone and iOS devices, and offers practical advice on how to secure iOS devices, data and apps. The book takes an in-depth look at methods and processes that analyze the iPhone/iPod in an official legal manner, so that all of the methods and procedures outlined in the text can be taken into any courtroom. It includes information data sets that are new and evolving, with official hardware knowledge from Apple itself to help aid investigators. This book consists of 7 chapters covering device features and functions; file system and data storage; iPhone and iPad data security; acquisitions; data and application analysis; and commercial tool testing. This book will appeal to forensic investigators (corporate and law enforcement) and incident response professionals. Learn techniques to forensically acquire the iPhone, iPad and other iOS devices Entire chapter focused on Data and Application Security that can assist not only forensic investigators, but also application developers and IT security managers In-depth analysis of many of the common applications (both default and downloaded), including where specific data is found within the file system

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

Take a deep dive into deep learning Deep learning provides the means for discerning patterns in the data that drive online business and social media outlets. Deep Learning for Dummies gives you the information you need to take the mystery out of the topic—and all of the underlying technologies associated with it. In no time, you'll make sense of those increasingly confusing algorithms, and find a simple and safe environment to experiment with deep learning. The book develops a sense of precisely what deep learning can do at a high level and then provides examples of the major deep learning application types. Includes sample code Provides real-world examples within the approachable text Offers hands-on activities to make learning easier Shows you how to use Deep Learning more effectively with the right tools This book is perfect for those who want to better understand the basis of the underlying technologies that we use each and every day.

This book is foundation for Learning Linux. If you start this book as beginner by the end of book you will be confident about Linux OS. if you are preparing for Linux exam LIPC this book is for you. Every thing explained by examples and screenshots. This book can be used as quick reference. If you tired of reading tons of book then this book if for you. In this every thing is explained to the point. It covers command line tools and utilities of Linux

This month: * Command & Conquer * How-To : RTL-SDR Radio, LibreOffice, and Ubuntu Kiosk * Graphics : Inkscape. * Linux Labs: Compiling a Kernel Pt 6 and Trying FreeBSD * Review: Ubuntu Mate 14.10 * Book Review: Official Ubuntu Book 8th Edition * Ubuntu Games: X-Plane & FSEconomy, and Unigine Heaven Benchmark plus: News, Arduino, Q&A, and soooo much more.

Master the latest version of Fedora and Red Hat Enterprise Linux with the step-by-step instructions and hands-on advice in Fedora 9 and Red Hat Enterprise Linux Bible. Learn key system administration skills like setting users and automating system tasks, understand the latest security issues and threats, and gain confidence with using and customizing the desktop menus, icons, and window manager. Updated every six months to correspond with the latest Fedora release, this book includes an official Fedora 9 LiveCD so that you can practice your knowledge and improve your skills. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

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

"Neither a "Starting Linux" book nor a dry reference manual, this book has a lot to offer to those coming to Fedora from other operating systems or distros." -- Behdad Esfahbod, Fedora developer This book will get you up to speed quickly on Fedora Linux, a securely-designed Linux distribution that includes a massive selection of free software packages. Fedora is hardened out-of-the-box, it's easy to install, and extensively customizable - and this book shows you how to make Fedora work for you. Fedora Linux: A Complete Guide to Red Hat's Community Distribution will take you deep into essential Fedora tasks and activities by presenting them in easy-to-learn modules. From installation and configuration through advanced topics such as administration, security, and virtualization, this book captures the important details of how Fedora Core works--without the fluff that bogs down other books and help/how-to web sites. Instead, you can learn from a concise task-based approach to using Fedora as both a desktop and server operating system. In this book, you'll learn how to: Install Fedora and perform basic administrative tasks Configure the KDE and GNOME desktops Get power management working on your notebook computer and hop on a wired or wireless network Find, install, and update any of the thousands of packages available for Fedora Perform backups, increase reliability with RAID, and manage your disks with logical volumes Set up a server with file sharing, DNS, DHCP, email, a Web server, and more Work with Fedora's security features including SELinux, PAM, and Access Control Lists (ACLs) Whether you are running the stable version of Fedora Core or bleeding-edge Rawhide releases, this book has something for every level of user. The modular, lab-based approach not only shows you how things work-but also explains why--and provides you with the answers you need to get up and running with Fedora Linux. Chris Tyler is a computer consultant and a professor of computer studies at Seneca College in Toronto, Canada where he teaches courses on Linux and X Window System Administration. He has worked on systems ranging from embedded data

converters to Multics mainframes.
Demonstrates new Linux distributions while covering commands, installation, customizing the Linux shell, filesystem management, working with multimedia features, security, networking, and system administration.
Linux - The Complete Beginner's Guide! One of the biggest challenges for people interested in learning the ins and outs of Linux is simply a lack of time. When you are working with a limited and extremely valuable resource you want to make sure you make the most of it. The next biggest challenge for Linux newcomers is knowing where to start. There is so much information available that deciding what to focus your attention on first is a big enough hurdle to keep many people from even starting. What's worse is starting down the path of learning only to discover too many concepts, commands, and nuances that aren't explained. This kind of experience is frustrating and leaves you with more questions than answers. Not only have I condensed the most important material into five sections, each designed to be consumed in a day, I've also structured the content in a logical and systematic manner. This way you'll be sure to make the most out of your time by learning the foundational aspects of Linux first and then building upon that foundation each day. Here Is A Preview Of What Inside The Book: How to get access to a Linux server if you don't already. What a Linux distribution is and which one to choose. What software is needed to connect to Linux from Mac and Windows computers. Screenshots included. What SSH is and how to use it, including creating and using SSH keys. The file system layout of Linux systems and where to find programs, configurations, and documentation. The basic Linux commands you'll use most often. Creating, renaming, moving, and deleting directories. Listing, reading, creating, editing, copying, and deleting files. Take Action Today and Learn Linux in no time! Click the "Buy now with 1-Click" to the right and get this guide immediately.
* Detailed installation instructions and step-by-step descriptions of key desktop and server components help new users get up and running immediately * Descriptions of the various distributions from people in the Linux community help users zero in on the best Linux for their needs * The perfect migration guide for Windows and Macintosh desktop users who want to switch to Linux, as well as for systems administrators who want to set up secure, fully functioning server systems * Covers Linux embedded systems, firewalls, and routers plus desktops and servers * Includes Fedora Core 3, Debian Linux, SUSE Linux, Knoppix, Gentoo Linux, Slackware Linux, Mandrake Linux, Damn Small Linux, and a Linux firewall and router on DVD
A unique, full-color introduction to Linux fundamentals Serving as a low-cost, secure alternative to expensive operating systems, Linux is a UNIX-based, open source operating system. Full-color and concise, this beginner's guide takes a learning-by-doing approach to understanding the essentials of Linux. Each chapter begins by clearly identifying what you will learn in the chapter, followed by a straightforward discussion of concepts that leads you right into hands-on tutorials. Chapters conclude with additional exercises and review questions, allowing you to reinforce and measure your understanding. Offers a hands-on approach to acquiring a foundation of Linux skills, aiming to ensure Linux beginners gain a solid understanding Uses the leading Linux distribution Fedora to demonstrate tutorials and examples Addresses Linux installation, desktop configuration, management of files and filesystems, remote administration, security, and more This book is essential reading for anyone entering the world of Linux!
Guide to Linux Networking and Security is a hands-on, practical guide that can be used to master Linux networking and security, in preparation for the Linux certification exams from SAIR/GNU and LPI. This book begins by introducing networking technologies and protocols, then moves into configuring a Linux network using a variety of command line and graphical utilities. Specific protocols and applications are covered in the networking chapters, including the r-utilities, NFS, Samba, and FTP, plus business-critical services such as e-mail, Web, and DNS. The second half of this book includes a discussion of security in the context of protecting business assets and user privacy, with emphasis on system administrator ethics. Cryptography and encrypted protocols lay a foundation for discussion of specific Linux security tools, including PAM, sudo, and GPG. User, file, and network security are covered. The network security discussion includes firewalls, VPNs, and utilities such as nmap, ethereal, and the SAINT profiling tool. Throughout, the book provides examples of sample commands and output, plus screen shots of related graphical utilities.
Malware Forensics Field Guide for Linux Systems is a handy reference that shows students the essential tools needed to do computer forensics analysis at the crime scene. It is part of Syngress Digital Forensics Field Guides, a series of companions for any digital and computer forensic student, investigator or analyst. Each Guide is a toolkit, with checklists for specific tasks, case studies of difficult situations, and expert analyst tips that will aid in recovering data from digital media that will be used in criminal prosecution. This book collects data from all methods of electronic data storage and transfer devices, including computers, laptops, PDAs and the images, spreadsheets and other types of files stored on these devices. It is specific for Linux-based systems, where new malware is developed every day. The authors are world-renowned leaders in investigating and analyzing malicious code. Chapters cover malware incident response - volatile data collection and examination on a live Linux system; analysis of physical and process memory dumps for malware artifacts; post-mortem forensics - discovering and extracting malware and associated artifacts from Linux systems; legal considerations; file identification and profiling initial analysis of a suspect file on a Linux system; and analysis of a suspect program. This book will appeal to computer forensic investigators, analysts, and specialists. A compendium of on-the-job tasks and checklists Specific for Linux-based systems in which new malware is developed every day Authors are world-renowned leaders in investigating and analyzing malicious code
More than 70 million websites and blogs run on WordPress: it's the world's #1 web development tool. Now, you can make the most of WordPress without becoming a technical expert. WordPress Absolute Beginner's Guide is the fastest way to get comfortable and productive with WordPress and its most powerful tools. Whether you're new to WordPress or not, this practical, approachable book will show you how to do exactly what you want, one incredibly clear and easy step at a time - all explained with full-color illustrations. Leading WordPress instructor Tris Hussey provides step-by-step instructions for every task requiring more than one step. Screenshots and illustrations guide you through complex processes, so you'll never get lost or confused. You'll find friendly, patient, crystal-clear coverage that always respects your intelligence, and never patronizes you. Hussey covers all this, and much more: Understanding the mechanics of a WordPress website Installing WordPress yourself, along with the themes and plug-ins you want Using WordPress.com if you don't want to run WordPress on your own equipment Setting up your site right the first time, to avoid problems later Tweaking themes to make your site look perfect Integrating images and media Making your site mobile-ready Using basic search engine optimization techniques to get your site discovered Troubleshooting, maintaining, and performance-tuning your site
The Linux Mint Beginner's Guide - Second EditionJonathan Moeller
If you want to learn how to use Linux, but don't know where to start read on. Knowing where to start when learning a new skill can be a challenge, especially when the topic seems so vast. There can be so much information available that you can't even decide where to start. Or worse, you start down the path of learning and quickly discover too many concepts, commands, and nuances that aren't explained. This kind of experience is frustrating and leaves you with more questions than answers. Linux for Beginners doesn't make any assumptions about your background or knowledge of Linux. You need no prior knowledge to benefit from this book. You will be guided step by step using a logical and systematic approach. As new concepts, commands, or jargon are encountered they are explained in plain language, making it easy for anyone to understand. Here is what you will learn by reading Linux for Beginners: How to get access to a Linux server if you don't already. What a Linux distribution is and which one to choose. What software is needed to connect to Linux from Mac and Windows computers. Screenshots included. What SSH is and how to use it, including creating and using SSH keys. The file system layout of Linux systems and where to find programs, configurations, and documentation. The basic Linux commands you'll use most often. Creating, renaming, moving,

and deleting directories. Listing, reading, creating, editing, copying, and deleting files. Exactly how permissions work and how to decipher the most cryptic Linux permissions with ease. How to use the nano, vi, and emacs editors. Two methods to search for files and directories. How to compare the contents of files. What pipes are, why they are useful, and how to use them. How to compress files to save space and make transferring data easy. How and why to redirect input and output from applications. How to customize your shell prompt. How to be efficient at the command line by using aliases, tab completion, and your shell history. How to schedule and automate jobs using cron. How to switch users and run processes as others. Where to go for even more in-depth coverage on each topic. What you learn in "Linux for Beginners" applies to any Linux environment including Ubuntu, Debian, Linux Mint, RedHat, Fedora, OpenSUSE, Slackware, and more. Scroll up, click the Buy Now With 1 Click button and get started learning Linux today!

The official "Fedora 15 Installation Guide" covers installation of Fedora, a Linux distribution built on free and open source software.

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

??? 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.

More than a quarter of a million copies sold in previous editions! Freedom is a feature With Fedora's new Online Desktop, you are free to shape your desktop environment to include the services, applications, and online friends you desire. As always, Fedora's total dedication to freedom lets you draw on thousands of free software packages to create the exact desktop or server computer you need. Fedora puts together the software (provided here on CD and DVD). This book acts as a guide to everything from playing music and writing documents to configuring many powerful Web, file, print, DHCP, and database servers. Customize Fedora or Red Hat Enterprise Linux to: Explore your computer or the Internet from GNOME®, KDE®, or Online Desktops Manage and use documents, spreadsheets, presentations, music, and images Try the new advanced PulseAudio sound server Draw from online software repositories with Package Manager and Package Updater Build an Internet server with e-mail, Web, DNS, FTP, and database services Secure your computer with firewalls, password protection, and SELinux Try out cutting-edge Fedora 8 features: Use Codeina to get legal software to play MP3, Windows media, and other audio/video formats Organize photos, music, friends, docs, and Web favorites in the new experimental Online Desktop Explore the latest in KVM and QEMU virtualization and AIGLX 3D-desktop What's on the DVD and CD-ROM? Install Fedora 8 (8GB) from DVD Boot Fedora 8 GNOME Live CD, and then install its contents to your hard drive System Requirements: Please see the Preface and Appendix A for details and complete system requirements. Open for more! Check out the new Online Desktop Find ten cool things to do with Fedora Run a Fedora 8 quick install Add pop and power with Online Desktop and 3D acceleration Organizing the people, places, and things you need on your desktop is now easier with the new GNOME Online Desktop. Get organized, then pile on some bling with 3D-accelerated desktop effects. Put friends, photos, and fun on your new Online Desktop Your favorite people and your online favorites are totally accessible from the new GNOME Online Desktop. Play with 3D desktop animations Continued improvements in 3D software let you rotate workspaces on a 3D cube, choose 3D minimize effects, and set 3D wobble effects.

Revised And Updated, The Second Edition Of Explorations In Computer Science: A Guide To Discovery Provides Introductory Computer Science Students With A Hands-On Learning Experience. Designed To Expose Students To A Variety Of Subject Areas, This Laboratory Manual Offers Challenging Exercises In Problem Solving And Experimentation. Each Lab Includes Objectives, References, Background Information, And An In-Depth Activity, And Numerous Exercises For Deeper Investigation Of The Topic Under Discussion.

The CompTIA Linux+/LPIC-1 Training and Exam Preparation Guide, First Edition is a comprehensive resource designed and written with one fundamental goal in mind: teach Linux in an easy and practical manner while preparing for the Linux+/LPIC-1 exams. This book provides an in-depth coverage of all official exam objectives. This book is organized in two parts: Part One covers LX0-103/101-400 exam objectives and Part Two covers LX0-104/102-400 exam objectives. The book includes hands-on examples, step-by-step exercises, chapter-end review of concepts, files, and commands learned, and 790 challenging practice questions. This book uses "learn-by-doing" methodology. It begins with guidance on how to download a virtualization software and two Linux distribution versions and then provides instructions on how to create VMs and install Linux in them to set up a lab environment for hands-on learning. Throughout the book, appropriate command prompts are employed to identify the lab system and user to run a command. Each command and task presented in the book was actually performed and tested on lab systems. Followed by the lab environment setup in Part One, the book presents the essentials of Linux incl. interaction with Linux, basic commands, file management (permissions, ownership, linking, searching, special permissions, editing), filter programs, regex, shell features, and process handling. Subsequent topics focus on system administration incl. shared libraries, Debian and RPM package management, system boot and initialization, hardware management, kernel modules, storage partitioning, file system creation and repairs, quota handling, and swap space administration. This brings Part One to an end and you should be able to take the quiz in Appendix A to test your readiness for the LX0-103/101-400 exam. Part Two covers all the objectives for the LX0-104/102-400 exam. It covers shell scripts with a presentation and line-by-line analysis of several scripts. Building a simple SQL database and performing queries comes next. A detailed comprehension of local authentication files, user creation, password aging, and shell startup files follows. The book covers networking concepts, reference models, and terms that accompany exercises on interface configuration, hostname change, and route management. A discussion of network testing and debugging tools is furnished and their usage is demonstrated, followed by topics on internationalization, localization, time synchronization, name resolution, X Window, display/desktop managers, accessibility options, printer and print queue administration, task scheduling, system logging, system and service access controls, emailing and email aliasing, searching for special files, and so on. This brings Part Two to an end and you should be able to take the quiz in Appendix C to test your readiness for the

LX0-104/102-400 exam. Highlights: * 100% coverage of ALL official exam objectives (version 4.0) * Enumerated and descriptive knowledge areas (under exam objectives) to assist in identifying and locating them * A summarized and convenient view showing exam objectives, chapters they are discussed in, associated weights, the number of questions to expect on the real exam, and other useful information * Separate section on each exam * 15 chapters in total (8 for LX0-103/101-400 and 7 for LX0-104/102-400) * Detailed guidance on building lab environment * 49 tested, hands-on exercises with explanation * Numerous tested, practical examples for clarity and understanding * Chapter-end one-sentence review of key topics * 790 single-response, multiple-response, and fill-in-the-blank practice questions/answers to test your knowledge of the material and exam readiness * Equally good for self-study and in-class training

For years, computer users have put up with the bugs, security holes, and viruses on Windows because they had no choice. Until recently, there has never been a good alternative to Windows. But now, Windows users can switch to Linux, the reliable, secure, and spyware free operating system. Linux is easy to use, runs on almost any PC, and enables you to perform all the tasks you can do with Windows.Getting to know Linux has never been easier, because now there's a way to test-drive Linux without changing, installing, or configuring a thing on your computer. It's called Test Driving Linux: From Windows to Linux in 60 Seconds.This latest release from O'Reilly comes with a Live CD called Move, that allows Windows users to try all the features of Mandrake Linux, a popular Linux distribution without the hassle of actually installing Linux. Users simply place the Move CD into their CD drive, boot from the disc, then watch an entire Mandrake system run on the fly from the CD-ROM.Test Driving Linux: From Windows to Linux in 60 Seconds is a detailed step-by-step guide to the Linux operating system and several popular open source programs. With this guide you can quickly learn how to use Linux to perform the tasks you do most: surf the web, send and receive email, instant message with friends, write letters, create spreadsheets, and even how to enhance your digital photos.Test Driving Linux: From Windows to Linux in 60 Seconds provides both home and business users with a hassle-free way to investigate this operating system before they purchase and install a complete Linux distribution.

Master the fundamental concepts of computer operating systems with Tomsho's GUIDE TO OPERATING SYSTEMS, 6th Edition. An excellent resource for training across different operating systems, this practical text equips you with key theory and technical information as you work with today's most popular operating systems, including Windows, macOS and Linux platforms. You will learn how general operating systems are organized and function as well as gain hands-on experience with OS installation, upgrading and configuration. Processors, file systems, networking, virtualization, security, device management, storage, OS maintenance and troubleshooting are explored in detail. Content also covers Windows 10 and earlier Windows client OSs, Windows Server 2019 and earlier Windows server OSs, Fedora Linux, and macOS Mojave and earlier. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The fast and easy way to learn Python programming and statistics Python is a general-purpose programming language created in the late 1980s—and named after Monty Python—that's used by thousands of people to do things from testing microchips at Intel, to powering Instagram, to building video games with the PyGame library. Python For Data Science For Dummies is written for people who are new to data analysis, and discusses the basics of Python data analysis programming and statistics. The book also discusses Google Colab, which makes it possible to write Python code in the cloud. Get started with data science and Python Visualize information Wrangle data Learn from data The book provides the statistical background needed to get started in data science programming, including probability, random distributions, hypothesis testing, confidence intervals, and building regression models for prediction.

Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition presents wireless pentesting from the ground up, and has been updated with the latest methodologies, including full coverage of the KRACK attack. About This Book Learn wireless penetration testing with Kali Linux Detect hidden wireless networks and discover their names Explore advanced Wi-Fi hacking techniques including rogue access point hosting and probe sniffing Develop your encryption cracking skills and gain an insight into the methods used by attackers and the underlying technologies that facilitate these attacks Who This Book Is For Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition is suitable for anyone who wants to learn more about pentesting and how to understand and defend against the latest wireless network attacks. What You Will Learn Understand the KRACK attack in full detail Create a wireless lab for your experiments Sniff out wireless packets, hidden networks, and SSIDs Capture and crack WPA-2 keys Sniff probe requests and track users through their SSID history Attack radius authentication systems Sniff wireless traffic and collect interesting data Decrypt encrypted traffic with stolen keys In Detail As wireless networks become ubiquitous in our lives, wireless penetration testing has become a key skill in the repertoire of the professional penetration tester. This has been highlighted again recently with the discovery of the KRACK attack which enables attackers to potentially break into Wi-Fi networks encrypted with WPA2. The Kali Linux security distribution comes with a myriad of tools used for networking attacks and detecting security loopholes. Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition has been updated to Kali Linux 2017.3 with the latest methodologies, including full coverage of the KRACK attack and how to defend against it. The book presents wireless pentesting from the ground up, introducing all elements of penetration testing with each new technology. You'll learn various wireless testing methodologies by example, from the basics of wireless routing and encryption through to detailed coverage of hacking methods and attacks such as the Hirte and Caffe Latte. Style and approach Kali Linux Wireless Penetration Testing Beginner's Guide, Third Edition is a practical, hands-on guide to modern wi-fi network hacking. It covers both the theory and practice of wireless pentesting, offering detailed, real-world coverage of the latest vulnerabilities and attacks.

The official "Fedora 14 Installation Guide" covers installation of Fedora, a Linux distribution built on free and open source software.

Migrating Linux to Microsoft Azure enables your organization to maximize the existing investments on Linux and become sustainable with efficient migration of existing Linux workloads to Azure.

Windows 8.1: 101 Tips & Tricks gives users an overview of Windows 8.1, from using the Start Screen and Desktop to more advanced troubleshooting techniques. In this book, you'll learn how to: -Master the Start Screen. -Get the most out of the Desktop. -Use the power of File Explorer. -Connect Windows 8.1 to networks. -Create and eliminate user accounts. -Store files securely in OneDrive. -Install powerful apps from the Windows Store. -Employ Task Manager to tame your PC. -And many other tips.

Introduces Linux concepts to programmers who are familiar with other operating systems such as Windows XP Provides comprehensive coverage of the Pentium assembly language

SUSE Linux: A Complete Guide to Novell's Community Distribution will get you up to speed quickly and easily on SUSE, one of the most friendly and usable Linux distributions around. From quick and easy installation to excellent hardware detection and

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

The Linux Mint Beginner's Guide (Second Edition) will show you how to get the most out of Linux Mint, from using the Cinnamon desktop environment to advanced command-line tasks. In the Guide, you will learn how to: -Install Linux Mint. -Use the desktop environment. -Manage files and folders. -Manage users, groups, and file permissions. -Install software on a Linux Mint system, both from the command line and the GUI. -Configure network settings. -Use the vi editor to edit system configuration files. -Install and configure a Samba server for file sharing. -Install SSH for remote system control using public key/private key encryption. -Install a LAMP server. -Install web applications like WordPress. -Configure an FTP server. -Manage ebooks. -Convert digital media. -And many other topics.

A guide to converting a Windows system to Linux covers such topics as connecting to the Internet, using a digital camera, burning CDs, creating documents and spreadsheets, and playing Linux games.

Describes the general concepts of the Linux operating system along with information on such topics as the file system, the shell, network connections, email, and programming.

HIGHLIGHTS > Covers ALL Latest Official Exam Objectives for RHCSA 8 including Containers and Shell Scripting > Great for Self-Study and In-Class/Virtual Training > 108 Real-Life Step-By-Step Exercises and Shell Scripts > 80 Do-It-Yourself Challenge Labs > 408 Review Questions & Answers > 4 Realistic Sample RHCSA Exams (23 tasks per exam) RHCSA Red Hat Enterprise Linux 8 (UPDATED): Training and Exam Preparation Guide, Second Edition provides in-depth coverage of the latest RHCSA EX200 exam objectives that include Shell Scripting and Containers. The most definitive guide available on the subject, this book explains concepts, analyzes configuration files, describes command outputs, shows step-by-step procedures (includes screenshots of actual commands executed and outputs they produced), and challenges the readers' comprehension of the concepts and procedures by presenting plenty of additional labs and sample realistic exam tasks to perform on their own. This book has 23 chapters that are organized logically, from setting up the lab to the fundamentals of Linux to sophisticated Linux administration topics. The book covers the topics on local RHEL 8 installation; initial interaction with the system; basic Linux commands; compression and archiving; file editing and manipulation; standard and special permissions; file searching and access controls; user monitoring and authentication files; users, groups, and password aging; bash shell features and startup files; processes and task scheduling; basic and advanced software administration techniques; system boot process and bootloader; kernel management and system initialization; logging and system tuning; basic and advanced storage management tools and solutions; local file systems and swap regions; network device and connection configuration; remote file systems and automounting; time synchronization and hostname resolution; the secure shell service; firewall and SELinux controls; and shell scripting and containers. Each chapter highlights the major topics and relevant exam objectives at the beginning and ends with several review questions & answers and Do-It-Yourself challenge labs. Throughout the book, figures, tables, screen shots, examples, notes, and exam tips are furnished to support explanation and exam preparation. This book includes four sample RHCSA exams that are expected to be performed using the knowledge and skills attained from reading the material, following the exercises, and completing the challenge labs. The labs and the sample exams include hints to relevant topics and/or exercises. This book may be used as a self-learning guide by RHCSA 8 exam aspirants, a resource by instructors and students to follow in physical and virtual training sessions, an on-the-job resource for reference, and an easy-to-understand guide by novice and non-RHEL administrators.

The ultimate reference and guide to the GNU image manipulation program GIMP is a free, Photoshop-like image manipulation program, and as its use grows, so does the demand for detailed instruction on how to get the very most out of it. GIMP Bible is the most comprehensive and current independent GIMP reference available that goes beyond official documentation. If you're a digital artist or photographer, the step-by-step explanations in this authoritative guide show you how to power-use GIMP throughout a production pipeline. Topics include understanding the GIMP interface and how to work with it, how to use all of GIMP's tools to create high-quality images, GIMP's default filters and plug-ins, advanced techniques for customization with Python and Scheme scripting, and much more. GIMP (GNU Image Manipulation Program) is a free graphics editor that runs on Linux, Windows, or Macs; it is used to process digital graphics and photographs including creating graphics and logos, resizing and cropping photos, altering colors, combining images, creating basic GIF animated images, and more Whether you're a digital artist, professional photographer, or beginner, this detailed how-to shows you best practices, valuable techniques, and helpful tips for getting the most out of GIMP for your projects Topics include the GIMP interface and how to work with it, in-depth description of GIMP's tools and how to use them to create high-quality images, a comprehensive reference for all of GIMP's default filters and common plug-ins, and advanced customization with Python and Scheme scripting Get the most out of this free image editing tool for your production pipeline with the GIMP Bible. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.