

Debian Tutorial Infn

Professional Red Hat Enterprise Linux 3 John Wiley & Sons

Requiring no prior hacking experience, *Ethical Hacking and Penetration Testing Guide* supplies a complete introduction to the steps required to complete a penetration test, or ethical hack, from beginning to end. You will learn how to properly utilize and interpret the results of modern-day hacking tools, which are required to complete a penetration test. The book covers a wide range of tools, including Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. Supplying a simple and clean explanation of how to effectively utilize these tools, it details a four-step methodology for conducting an effective penetration test or hack. Providing an accessible introduction to penetration testing and hacking, the book supplies you with a fundamental understanding of offensive security. After completing the book you will be prepared to take on in-depth and advanced topics in hacking and penetration testing. The book walks you through each of the steps and tools in a structured, orderly manner allowing you to understand how the output from each tool can be fully utilized in the subsequent phases of the penetration test. This process will allow you to clearly see how the various tools and phases relate to each other. An ideal resource for those who want to learn about ethical hacking but don't know where to start, this book will help take your hacking skills to the next level. The topics described in this book comply with international standards and with what is being taught in international certifications.

Slackware Creator Patrick Volkerding Shows You How to Build Your Own System Harness the power of Linux with step-by-step explanations straight from the creator of one of its most popular distributions. Complete with Slackware 3.5 and new coverage of specific installation and configuration topics, *Linux® Configuration and Installation, 4th Edition* brings you everything you need, short of a PC, to get you up and running in no time. Inside, You'll Learn How to: Prepare your PC for Linux Install and configure Linux for your system Set up XFree86 Master the basic Linux tools and applications Manage your system for maximum performance Leverage resources with a Linux network Expand your system with telecommunications capabilities Connect to the Internet with Linux Develop Linux applications using C, Make, Java, Tcl, Perl, and Gawk Get Slackware 3.5 Free, including: Kernels for most major PC hardware configurations — including support for IDE/EIDE, SCSI, PCMCIA cards, tape drives, sound boards, network cards, Jaz and Zip drives, and CD-ROMs Full set of installation tools — including easy-to-use menus and tools for upgrading Three installation methods — traditional Linux installation via bootdisks and rootdisks, direct installation onto a Zip drive or other DOS partition, and direct installation from the bootable installation CD-ROM Complete installation of XFree86 3.3.2 system — including installation and configuration utilities, window managers (fvwm, fvwm-95, twm, olvwm), and X servers for most graphics cards Full TCP/IP connectivity for the Internet, corporate networks, and intranets Netscape Communicator, with Web-browsing, electronic-mail, collaborative, and newsgroup capabilities Complete ANSI C and C++ programming suites Various Unix shells — including the Bourne Again Shell (bash), tcsh, and more Tools for connecting your PC to the Internet and to online services with PPP, SLIP, CSLIP, UUCP, dip, mailx, and dialup serial programs Other Internet applications — including electronic mail (pine and elm), Web browsers (Arena and Lynx), Usenet newsreaders (cnews, nn, tin, trn, and inn) and FTP All major GNU commands and applications — including GNU Emacs 20.2 Multimedia tools for working with images files and MIME Internet servers — including the Apache HTTP Web server, sendmail, and an FTP server Terminal applications — including Midnight Commander and the sc spreadsheet A full set of programming tools — egcs-1.0.3 (gcc-2.8 based C/C++/f77/Objective-C compiler from egcs.cygnum.com), make (GNU and BSD), yacc and GNU bison, flex, 5.4.44 C libraries, gdb, SVGLib, ncurses, gcl (LISP), p2c, m4, perl, python, rcs Text-editing and text-formatting tools — including elvis, vm, jed, joe, jove, pico, gross TeX, info) as well as hundreds of fonts Full suite of X Window applications — including Ghostscript, xlock, libgr, seyon, workman, xfilemanager, xv 3.10a, GNU chess and xboard, xfm 1.3.2, ghostview, gnuplot, xpaint, xfrcint, and various X games. Support for iBCS, which allow binaries created on other x86 UNIX variants to run under Linux X Window programming and usage tools — X11 server linkkit, static libraries, PEX support, xview3.2p1-X11R6 (XView libraries), the Open Look virtual and nonvirtual window managers for XFree86 Various applications and add-ons — the manual pages, groff, ispell, joe, jed, jove, ghostscript, sc, bc, and the quota patches A collection of FAQs and other documentation Tcl, Tk, and TclX, built with ELF shared libraries and dynamic loading support, as well as the TkDesk file manager The BSD games collection — Koules, Lizards, and Sasteroids Shareware programs are fully functional, free trial versions of copyrighted programs. If you like particular programs, register with their authors for a nominal fee and receive licenses, enhanced versions, and technical support. Freeware programs are free, copyrighted games, applications, and utilities. You can copy them to as many PCs as you like—free—but they have no technical support.

Whether you're a veteran or an absolute n00b, this is the best place to start with Kali Linux, the security professional's platform of choice, and a truly industrial-grade, and world-class operating system distribution—mature, secure, and enterprise-ready.

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.

Previous editions of *Linux For Dummies* have garnered rave reviews. However, there's one scary term applied to them—outdated! The 6th Edition remedies that with easy-to-understand information on the latest version of the most popular Linux distributions, including Fedora Core, SuSE, Mandrake, Xandros, Linspire, and Knoppix. This guide walks you through installing, configuring, tuning, and using each version of Linux, the low-cost, secure alternative to expensive operating systems. You'll discover how to: Prep your computer for Linux Boot and stop Linux Connect to the Internet, e-mail, surf the Web, and access and use cool Internet tools Manage files and directories Do word processing and more with Open Office.org Updated material includes: Info on the wireless Internet connection Coverage of the new SELinux infrastructure, an important new security feature Updated GNOME and KDE coverage Written by Dee-Ann LeBlanc, award-winning author of numerous books and articles and author or coauthor of the popular previous editions of *Linux For Dummies*, this edition not only guides you step by step, it also includes an appendix of common Linux commands and a comprehensive index so you can find what you need to know without taking extra steps. The bonus DVD includes: The full, installable version of Fedora Core 3 and Knoppix ISO images (that will save hours of downloading time) for SUSE live, Mandrake full version, Xandros Open Circulation version, and Linspire full version If you want to explore the different distributions of Linux, this is the guide for you!

"For use with all popular versions of Linux, including Ubuntu, Fedora, openSUSE, Red Hat, Debian, Mageia, Mint, Arch, CentOS, and macOS."--Amazon.com.

SELinux: Bring World-Class Security to Any Linux Environment! SELinux offers Linux/UNIX integrators, administrators, and developers a state-of-the-art platform for building and maintaining highly secure solutions. Now that SELinux is included in the Linux 2.6 kernel—and delivered by default in Fedora Core, Red Hat Enterprise Linux, and other major distributions—it's easier than ever to take advantage of its benefits. *SELinux by Example* is the first complete, hands-on guide to using SELinux in production environments. Authored by three leading SELinux researchers and developers, it illuminates every facet of working with SELinux, from its architecture and security object model to its policy language. The book thoroughly explains SELinux sample policies—including the powerful new Reference Policy—showing how to quickly adapt them to your unique environment. It also contains a comprehensive SELinux policy language reference and covers exciting new

features in Fedora Core 5 and the upcoming Red Hat Enterprise Linux version 5. • Thoroughly understand SELinux's access control and security mechanisms • Use SELinux to construct secure systems from the ground up • Gain fine-grained control over kernel resources • Write policy statements for type enforcement, roles, users, and constraints • Use optional multilevel security to enforce information classification and manage users with diverse clearances • Create conditional policies that can be changed on-the-fly • Define, manage, and maintain SELinux security policies • Develop and write new SELinux security policy modules • Leverage emerging SELinux technologies to gain even greater flexibility • Effectively administer any SELinux system

Whether you're just starting out with Linux or looking to hone your existing skills, this book will provide you with the knowledge you need. For new users, it is an exploration tour and getting started guide, with exercises at the end of each chapter. Advanced trainees can consider it a desktop reference, a collection of the base knowledge needed to tackle system and network administration. To help you work more effectively with Linux, this book contains hundreds of real life examples derived from the author's experience as a Linux system and network administrator, trainer and consultant. These examples will help you to get a better understanding of the Linux system and feel encouraged to try out things on your own.

Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from the installation and the update of the system, up to the creation of packages and the compilation of the kernel, but also monitoring, backup and migration, without forgetting advanced topics like SELinux/AppArmor setup to secure services, automated installations, or virtualization with Xen, KVM or LXC. Learn more about the book on <https://debian-handbook.info>

Link for PDF version and payment via BCA/Mandiri/Paypal: => <http://shop.vitraining.co> This ebook explain detailed steps required to install Odoos on Ubuntu Linux System. Starting from PostgreSQL, creating database user, installing Python Modules required, downloading Odoos latest source code from GIT, configuring the server, and finally setting it up for running as a background service. Table of Contents 1. Introduction 2. PostgreSQL Installation 3. Install the Python Modules 4. Download the Source Code from GIT 5. Extract the Source Code 6. Configure and Run the Server 7.

Configure Odoos to Run as a Service Forum diskusi, pada saat request join sertakan nomor ID atau bukti pembelian buku. Subscribe by email, kirim email kosong ke: buku-openerp-vitraining+subscribe@googlegroups.com Subscribe by web: <http://groups.google.com/d/forum/buku-openerp-vitraining>

All-in-One is All You Need Fully revised for the latest exam release, this authoritative volume offers thorough coverage of all the material on the Certified Information Systems Security Professional (CISSP) exam. Written by a renowned security expert and CISSP, this guide features complete details on all 10 exam domains developed by the International Information Systems Security Certification Consortium (ISC2). Inside, you'll find learning objectives at the beginning of each chapter, exam tips, practice questions, and in-depth explanations. CISSP All-in-One Exam Guide, Fourth Edition will not only help you pass the test, but also be your essential on-the-job reference. Covers all 10 subject areas on the exam: Access control Application security Business continuity and disaster recovery planning Cryptography Information security and risk management Legal, regulations, compliance, and investigations Operations security Physical (environmental) security Security architecture and design Telecommunications and network security The CD-ROM features: Simulated exam with practice questions and answers Video training from the author Complete electronic book You are probably a coder, a web developer, a computer science student, or just a geek! You've worked with Windows or Mac for a while, but now it's time to broaden your knowledge and learn about Linux / Unix / *nix. Perhaps you want to build your own Linux web server for the first time? Perhaps you just bought a Raspberry Pi and want to know how to use Linux on it? Perhaps you have a modern Macbook and want to understand what is going on in the Terminal? Linux can be an intimidating subject to learn from scratch. When you've read this guide you will have the fundamental knowledge needed to run a Linux system and you'll be able to appreciate the power of the Unix command line. What you'll learn Unix admin: users, groups, the filesystem, how permissions work Command line kung fu and the Unix tools you need to know How to install software and control running processes Configuring networking and basic security Top tips on how to solve common problems

This book on performance fundamentals covers UNIX, OpenVMS, Linux, Windows, and MVS. Most of the theory and systems design principles can be applied to other operating systems, as can some of the benchmarks. The book equips professionals with the ability to assess performance characteristics in unfamiliar environments. It is suitable for practitioners, especially those whose responsibilities include performance management, tuning, and capacity planning. IT managers with a technical outlook also benefit from the book as well as consultants and students in the world of systems for the first time in a professional capacity.

* Ideal to help Red Hat Linux beginners get up and running with Red Hat Linux * Provides complete beginner-level coverage and offers comprehensive overview of user-level topics and basic administrator-level chores, such as the shell prompt, building a basic firewall, and managing users * Explores the Red Hat Network, technical support, and frequently asked questions about Red Hat Linux * CD-ROM contains a 2-CD distribution of the latest version of Red Hat Copyright © 2004 by Red Hat, Inc. Material may be distributed only subject to the terms and conditions set forth in the Open Publication License, V1.0 or later (the latest version is presently available at <http://www.opencontent.org/openpub/>).

Linux 2018 NEW Easy User Manual to Learn the Linux Operating System and Command Line by Yourself Many people hear the word Linux, and the first thing they think of, is generally how hard this is to run. Lots of times people think of the Linux command line and only that when running Linux, but the truth is, Linux is actually a great system that is user-friendly, and there is a reason why so many people go to Linux when choosing a system to operate on. This book will tell you everything that you need to know at a basic level regarding Linux. We'll show you that it's not scary to run this, but instead it's an amazing system that involves a lot of different parts, but in general is easy. Yes, you can use the command line, but the truth is, unless you want to learn how to do it, you can get away with not using it for the most part

once you've installed the initial commands, and we'll tell you what those are when you read this Linux bible . In this book, you'll be provided with the following information: What Linux is (Linux for dummies info) Why others choose Linux over a Windows OS Distributors and what they are The pros and cons of different distributors, and what works for you How to Install Linux How to run Linux externally so you can try it out The different environments for this, the components, and how to use them Basic command line prompts to help you understand How to configure the environment so that it works for you Different activities that you can do with Linux How to modify the environments so that it works for you How to connect to the environment with Linux, both with a command prompt, or with the actual usage of the different settings With Linux, it does take a little bit of time to get used to, but we'll show you from here what will be done in order to help you get the most out of this. Linux is actually easier than you'd think, lots of times the reason why people struggle with this is because they think it's just putting in confusing programming commands. It's not, it's actually a system that is simple to use once you've got the distributor installed, and lots of times, it might be a couple of commands. This book will show you how easy it is, and why it's considered one of the best computing systems for almost 20 years. Download your copy of " Linux " by scrolling up and clicking "Buy Now With 1-Click" button.

A Bourne Shell Programming/Scripting Tutorial for learning about using the Unix shell. Learn Linux / Unix shell scripting by example along with the theory. We'll have you mastering Unix shell scripting in no time! This thorough yet practical tutorial with examples throughout has been written with extensive feedback from literally hundreds of students and professionals in the field, both with and without a Unix or Linux background. From the author of the Wiley book "Shell Scripting - Expert Recipes for Bash, Linux and more" and of "How to Build a LAMP Server," this is his best-read and most popular work to date.

Learn Linux, and take your career to the next level! Linux Essentials, 2nd Edition provides a solid foundation of knowledge for anyone considering a career in information technology, for anyone new to the Linux operating system, and for anyone who is preparing to sit for the Linux Essentials Exam. Through this engaging resource, you can access key information in a learning-by-doing style. Hands-on tutorials and end-of-chapter exercises and review questions lead you in both learning and applying new information—information that will help you achieve your goals! With the experience provided in this compelling reference, you can sit down for the Linux Essentials Exam with confidence. An open source operating system, Linux is a UNIX-based platform that is freely updated by developers. The nature of its development means that Linux is a low-cost and secure alternative to other operating systems, and is used in many different IT environments. Passing the Linux Essentials Exam prepares you to apply your knowledge regarding this operating system within the workforce. Access lessons that are organized by task, allowing you to quickly identify the topics you are looking for and navigate the comprehensive information presented by the book Discover the basics of the Linux operating system, including distributions, types of open source applications, freeware, licensing, operations, navigation, and more Explore command functions, including navigating the command line, turning commands into scripts, and more Identify and create user types, users, and groups Linux Essentials, 2nd Edition is a critical resource for anyone starting a career in IT or anyone new to the Linux operating system.

Besides covering the most recently released versions of GCC, this book provides a complete command reference, explains how to use the info online help system, and covers material not covered in other texts, including profiling, test coverage, and how to build and install GCC on a variety of operating system and hardware platforms. It also covers how to integrate with other GNU development tools, including automake, autoconf, and libtool.

Provides a professional-level reference to the Samsung ARTIK API, as well as to other aspects of interest to developers such as the file systems, the operating system internals, various available interfaces, input/output, and the hardware itself. This is the perfect book for experienced programmers and developers who want to jump in and work with Samsung's new ARTIK product line to create Internet of Things devices and applications. It is also a perfect follow-up resource for new-to-the-field developers who are just getting past the beginning stages of learning the ARTIK. Samsung ARTIK Reference begins with a concise overview of the hardware and the various developer reference boards that are available. Attention then shifts to operating system internals, modes such as sleep and startup, and the various file systems and their parameters that are available for developers to adjust. Also included is a reference of API calls, guidance on input and output, documentation of serial, audio, graphic, and other interfaces. There is extensive reference to online resources with annotation and commentary guiding the learning process in many directions for further study. What You Will Learn Install the ARTIK toolkit and prepare to develop Manipulate the inner workings of the ARTIK operating system Look up and refer to details of the ARTIK API specification Perform input and output over the peripheral interface buses Build embeddable applications in support of IoT devices Embed the ARTIK modules into your own hardware products Who This Book Is For Samsung ARTIK Reference is for experienced developers wanting to understand and begin working with ARTIK. The book is especially of interest to those wishing to interact with ARTIK modules from within their own applications and web services.

Presents more than one hundred Linux code and command phrases.

This book reviews existing operational software failure analysis techniques and proposes near-miss analysis as a novel, and new technique for investigating and preventing software failures. The authors provide details on how near-miss analysis techniques focus on the time-window before the software failure actually unfolds, so as to detect the high-risk conditions that can lead to a major failure. They detail how by alerting system users of an upcoming software failure, the detection of near misses provides an opportunity to collect at runtime failure-related data that is complete and relevant. They present a near-miss management systems (NMS) for detecting upcoming software failures, which can contribute significantly to the improvement of the accuracy of the software failure analysis. A prototype of the NMS is implemented and is discussed in the book. The authors give a practical hands-on approach towards doing software failure

investigations by means of near-miss analysis that is of use to industry and academia

Develop the skills you need in the real world Hit the ground running with the street-smart training you'll find in this practical book. Using a "year in the life" approach, it gives you an inside look at the common responsibilities of PC Technicians, with key information organized around the actual day-to-day tasks, scenarios, and challenges you'll face in the field. This valuable training tool is loaded with hands-on, step-by-step exercises covering all phases of a PC Technician's job, including: Installing hardware and software Maintaining hardware and software Installing and upgrading operating systems and networks Installing and upgrading security systems An invaluable study tool This no-nonsense book also covers the common tasks that CompTIA expects all of its A+ certification candidates to know how to perform. So whether you're preparing for certification or seeking practical skills to break into the field, you'll find the instruction you need, including: Installing or replacing a power supply Installing or replacing a laptop hard drive Upgrading Windows(r) 2000 to Windows(r) XP Scanning for and removing viruses Installing printer drivers Troubleshooting your network The Street Smarts series is designed to help current or aspiring IT professionals put their certification to work for them. Full of practical, real world scenarios, each book features actual tasks from the field and then offers step-by-step exercises that teach the skills necessary to complete those tasks. And because the exercises are based upon exam objectives from leading technology certifications, each Street Smarts book can be used as a lab manual for certification prep.

Qualified SharePoint administrators are in demand, and what better way to show your expertise in this growing field than with Microsoft's new MCTS: Microsoft Office SharePoint Server 2007, Configuration certification. Inside, find everything you need to prepare for exam 70-630, including full coverage of exam topics—such as configuring content management, managing business intelligence, and more—as well as challenging review questions, real-world scenarios, practical exercises, and a CD with advanced testing software. For Instructors: Teaching supplements are available for this title. Today's experienced computer user doesn't have time to set up and learn a new operating system and programs alone. This book shows an ordinary computer user who is comfortable with using Microsoft Windows and associated popular applications how Linux works and how using it is similar in many ways to their current software. Then it guides them through the wonderful world of popular Linux applications that perform the same day to day functions they're used to on their Windows computer - word processing, spreadsheets, presentations, graphics processing, email, Internet browsing, pictures, music and video, and more. This most comprehensive and complete book for Ubuntu serves as a Practical Guide to getting into and understanding Ubuntu Linux. It is comprehensive and well organized, this large Guide to Ubuntu Linux is an excellent Reference and your must have Ubuntu Linux Toolbox containing great info for those who hunger for more! In easy to read chapters, with extensive examples, references and links to get you started right away this book covers: Ubuntu (operating system), Debian, Linux distribution, Free and open source software, Canonical Ltd., Mark Shuttleworth, Ubuntu Foundation, List of remastering software, Debian Free Software Guidelines, Medibuntu, Getdeb, Super OS, List of Linux distributions, Kubuntu, KDE, GNOME, Edubuntu, Xubuntu, Xfce, Ubuntu Studio, Mythbuntu, MythTV, Ubuntu Mobile, Ubuntu Netbook Remix, Gobuntu, Ubuntu JeOS, Linux Mint, OpenGEU, CrunchBang Linux, GNewSense, Comparison of Linux distributions, Ubuntu Certified Professional. Topic relevant selected content from the highest rated Wiki entries, typeset, printed and shipped, combine the advantages of up-to-date and in-depth knowledge with the convenience of printed books. A portion of the proceeds of each book will be donated to the WikiMedia Foundation to support their mission.

Implementing Oracle API Platform Cloud Service moves from theory to practice using the newest Oracle API management platform. This critical new platform for Oracle developers allows you to interface the complex array of services your clients expect in the modern world.

A taskoriented look at Linux Mint, using actual realworld examples to stimulate learning. Each topic is presented in an easytofollow order, with handson activities to reinforce the content. If you are starting out with Linux from a different platform or are well versed with Linux Mint and want a guide that shows you how to exploit certain functionality, this book is for you. No previous Linux experience is assumed.

Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from the installation and the update of the system, up to the creation of packages and the compilation of the kernel, but also monitoring, backup and migration, without forgetting advanced topics like SELinux setup to secure services, automated installations, or virtualization with Xen, KVM or LXC. Learn more about the book on <http://debian-handbook.info>

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

who wants to understand the fundamentals and as well as modern concepts of Linux system administration, this book is for you. Windows System Administrators looking to extend their knowledge to the Linux OS will also benefit from this book.

The Third Edition of this proven All-in-One exam guide provides total coverage of the CISSP certification exam, which has again been voted one of the Top 10 IT certifications in 2005 by CertCities. Revised and updated using feedback from Instructors and students, learn security operations in the areas of telecommunications, cryptography, management practices, and more. Plan for continuity and disaster recovery. Update your knowledge of laws, investigations, and ethics. Plus, run the CD-ROM and practice with more than 500 all new simulated exam questions. Browse the all new electronic book for studying on the go. Let security consultant and author Shon Harris lead you to successful completion of the CISSP.

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"

Learn How to Set Up and Configure Linux from Scratch! Get the Kindle version FREE when purchasing the Paperback! This book has been created to guide you through your very first steps in the Linux environment, whether you are a complete novice or need an in-depth refresher in Linux. Linux has become one of the most popular open source programs in the world, with capabilities that rival the best paid operating systems on the market. Due to its high flexibility and stability, it is used for text processing, graphic design, desktop publishing, calculations, communication, and even interfaces for appliances. From movie making and engineering, to military and astronautics, Linux is used everywhere. This book takes a detailed look at the Linux diversity and history, installing and configuring a Linux system, as well as the infamous command line. It also addresses specific topics such as choosing a distribution, adding a graphical user interface, package management, navigating the filesystem and directories, partitioning, software selection, and using the help system. By the end of this book you will be able to set up and configure Linux from start to finish, and be able to use Linux at a proficient level.

What This Book Offers Made for Beginners This book was written with the intention of being used by those who have very little to no experience in the Linux environment. Because of this every concept, command and step is discussed in meticulous detail to ensure you are able to thoroughly understand and implement it on your own.

Complete Installation Guide We take you step by step through setting up a Linux system from scratch, including screenshots for every step. This comprehensive installation guide also covers adding a Graphical User Interface, installing additional software, and choosing a terminal-based or graphical file manager.

Simplifying the Command Line Terminals, shells and the command line are terms that make most newcomers to Linux run for the hills. We explain these concepts in detail, and then go even further by covering numerous essential terminal commands to help you deal with files and directories, text processing, users and groups, process management, networks, and the help system.

Key Topics What is Linux? From UNIX to Linux A Brief History of Linux Linux Range of Use Linux Certifications Software Licenses Linux in Day-to-Day Life What is a Linux Distribution? Which Linux Distributions Exist? Setting up a Linux System Types of Installations Installing Linux Step-by-Step Adding a Graphical User Interface Adding Additional Software Exiting Linux Navigating Linux The Filesystem Hierarchy Standard (FHS) Commands for Directories Terminal-based File Managers Graphical File Managers Introduction to Linux Terminals What is a Terminal? What is a Shell? Available Shells Essential Linux Commands Files and Directories Output and Text Processing Users and Groups Process Management Network and System Information Getting Help Man Pages Info Pages Integrated Help External Help Get Your Copy Today!

Many corporations are finding that the size of their data sets are outgrowing the capability of their systems to store and process them. The data is becoming too big to manage and use with traditional tools. The solution: implementing a big data system. As Big Data Made Easy: A Working Guide to the Complete Hadoop Toolset shows, Apache Hadoop offers a scalable, fault-tolerant system for storing and processing data in parallel. It has a very rich toolset that allows for storage (Hadoop), configuration (YARN and ZooKeeper), collection (Nutch and Solr), processing (Storm, Pig, and Map Reduce), scheduling (Oozie), moving (Sqoop and Avro), monitoring (Chukwa, Ambari, and Hue), testing (Big Top), and analysis (Hive). The problem is that the Internet offers IT pros wading into big data many versions of the truth and some outright falsehoods born of ignorance. What is needed is a book just like this one: a wide-ranging but easily understood set of instructions to explain where to get Hadoop tools, what they can do, how to install them, how to configure them, how to integrate them, and how to use them successfully. And you need an expert who has worked in this area for a decade—someone just like author and big data expert Mike Frampton. Big Data Made Easy approaches the problem of managing massive data sets from a systems perspective, and it explains the roles for each project (like architect and tester, for example) and shows how the Hadoop toolset can be used at each system stage. It explains, in an easily understood manner and through numerous examples, how to use each tool. The book also explains the sliding scale of tools available depending upon data size and when and how to use them. Big Data Made Easy shows developers and architects, as well as testers and project managers, how to:

- Store big data
- Configure big data
- Process big data
- Schedule processes
- Move data among SQL and NoSQL systems
- Monitor data
- Perform big data analytics
- Report on big data processes and projects
- Test big data systems

Big Data Made Easy also explains the best part, which is that this toolset is free. Anyone can download it and—with the help of this book—start to use it within a day. With the skills this book will teach you under your belt, you will add value to your company or client immediately, not to mention your career.

This book starts by teaching you the essentials of the Intel Galileo board, its components, how to wire it, and how to use it safely. The book will teach you how to use and combine simple sensors to build more complex connected objects with the help of an Internet connection. You'll also learn how to control and read from your sensors by building a number of interesting projects. Finally, the book will familiarize you with the art of controlling your objects using mobile devices. By the end of the book, you'll be

able to understand the key concepts of the Internet of Things, and what a "Thing" truly is. This book will make you ready and also more aware of what you can do with a Galileo board, while inspiring you with more ideas to build your own home projects.

"Multithreaded programs in JavaScript"--Cover.

A handy book for someone just starting with Unix or Linux, and an ideal primer for Mac and PC users of the Internet who need to know a little about Unix on the systems they visit. The most effective introduction to Unix in print, covering Internet usage for email, file transfers, web browsing, and many major and minor updates to help the reader navigate the ever-expanding capabilities of the operating system.

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!

What is this book about? Professional Red Hat Enterprise Linux 3 is a complete professional guide to setting up, configuring, and deploying Red Hat Enterprise Linux in the corporate production environment. The book focuses on Enterprise Server and Advanced Server features, including the key areas of high availability with the Red Hat Cluster Suite, Red Hat Network Control Center, and Red Hat Enterprise applications such as the Content Management System and portal server. Other key unique features include kernel tuning for various performance profiles; advanced Apache configuration; Tux installation/maintenance; building high-performance FTP servers; building high-performance mail servers (which means replacing Sendmail); Mailing list management; how to efficiently add, remove, or modify 100 users at the same time; and a discussion of disk quota management and monitoring. What does this book cover? The key features of the book include the following: How to install and setup RHEL 3 How to deploy RHEL 3 in production environment How to manage an RHEL system using Perl and shell scripting Advanced administration tools How to use Red Hat network service Details on installation and setup of security tools Ability to use and deploy High Availability solutions provided with RHEL 3 Performance tuning How to use monitoring tools Ability to use RHEL to provide scalable infrastructure solutions.

[Copyright: b31111b543edbaa4580b0b15f8cc0e13](#)