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Linux Toolbox 1000 Commands
For Power Users

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Your ultimate guide to pentesting with Kali Linux. Kali is a popular and powerful Linux distribution used by cybersecurity professionals around the world. Penetration testers must master Kali's varied library of tools to be effective at their work. The Kali Linux Penetration Testing Bible is the hands-on and methodology guide for pentesting with Kali. You'll discover everything you need to

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know about the tools and techniques hackers use to gain access to systems like yours so you can erect reliable defenses for your virtual assets. Whether you're new to the field or an established pentester, you'll find what you need in this comprehensive guide. Build a modern dockerized environment Discover the fundamentals of the bash language in Linux Use a variety of effective techniques to find vulnerabilities (OSINT, Network Scan, and more) Analyze your findings and identify false positives and uncover advanced subjects, like buffer overflow, lateral

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movement, and privilege escalation Apply practical and efficient pentesting workflows Learn about Modern Web Application Security Secure SDLC Automate your penetration testing with Python For many users, working in the UNIX environment means using vi, a full-screen text editor available on most UNIX systems. Even those who know vi often make use of only a small number of its features. The vi Editor Pocket Reference is a companion volume to O'Reilly's updated sixth edition of Learning the vi Editor, a complete guide to text editing

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with vi. New topics in Learning the vi Editor include multi-screen editing and coverage of four vi clones: vim, elvis, nvi, and vile. This small book is a handy reference guide to the information in the larger volume, presenting movement and editing commands, the command-line options, and other elements of the vi editor in an easy-to-use tabular format.

This hands-on guide demonstrates how the flexibility of the command line can help you become a more efficient and productive data scientist. You'll learn how to combine

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small, yet powerful, command-line tools to quickly obtain, scrub, explore, and model your data. To get you started—whether you're on Windows, OS X, or Linux—author Jeroen Janssens introduces the Data Science Toolbox, an easy-to-install virtual environment packed with over 80 command-line tools. Discover why the command line is an agile, scalable, and extensible technology. Even if you're already comfortable processing data with, say, Python or R, you'll greatly improve your data science workflow by also leveraging the

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power of the command line.

*Obtain data from websites, APIs,
databases, and spreadsheets*

*Perform scrub operations on
plain text, CSV, HTML/XML, and*

*JSON Explore data, compute
descriptive statistics, and create
visualizations*

*Manage your data
science workflow using Drake*

*Create reusable tools from one-
liners and existing Python or R*

*code Parallelize and distribute
data-intensive pipelines using*

*GNU Parallel Model data with
dimensionality reduction,*

*clustering, regression, and
classification algorithms*

*Learn how to use BSD UNIX
systems from the command line*

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with BSD UNIX Toolbox: 1000+ Commands for FreeBSD, OpenBSD and NetBSD. Learn to use BSD operation systems the way the experts do, by trying more than 1,000 commands to find and obtain software, monitor system health and security, and access network resources. Apply your newly developed skills to use and administer servers and desktops running FreeBSD, OpenBSD, NetBSD, or any other BSD variety. Become more proficient at creating file systems, troubleshooting networks, and locking down security.

Shell Scripting

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Android Hacker's Handbook
Powerful Hacks and
Customizations

Beginning Ubuntu Linux
Docker Orchestration

A compendium of shell scripting recipes that can immediately be used, adjusted, and applied The shell is the primary way of communicating with the Unix and Linux systems, providing a direct way to program by automating simple-to-intermediate tasks. With this book, Linux expert Steve Parker shares a collection of shell scripting recipes that can be used as is or easily modified for a variety of environments or situations. The book covers shell programming, with a focus on Linux and the Bash shell; it provides credible, real-world relevance, as well

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as providing the flexible tools to get started immediately. Shares a collection of helpful shell scripting recipes that can immediately be used for various of real-world challenges Features recipes for system tools, shell features, and systems administration Provides a host of plug and play recipes for to immediately apply and easily modify so the wheel doesn't have to be reinvented with each challenge faced Come out of your shell and dive into this collection of tried and tested shell scripting recipes that you can start using right away! Provides information on using Ubuntu Linux from the command line, covering such topics as using the shell, working with files, backing up data, accessing network resources, and handling

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remote system administration.

Docker lets you create, deploy, and manage your applications anywhere at anytime – flexibility is key so you can deploy stable, secure, and scalable app containers across a wide variety of platforms and delve into microservices architecture About This Book This up-to-date edition shows how to leverage Docker's features to deploy your existing applications Learn how to package your applications with Docker and build, ship, and scale your containers Explore real-world examples of securing and managing Docker containers Who This Book Is For This book is ideal for developers, operations managers, and IT professionals who would like to learn about Docker and use it to build and

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deploy container-based apps. No prior knowledge of Docker is expected. What You Will Learn Develop containerized applications using the Docker version 17.03 Build Docker images from containers and launch them Develop Docker images and containers leveraging Dockerfiles Use Docker volumes to share data Get to know how data is shared between containers Understand Docker Jenkins integration Gain the power of container orchestration Familiarize yourself with the frequently used commands such as docker exec, docker ps, docker top, and docker stats In Detail Docker is an open source containerization engine that offers a simple and faster way for developing and running software. Docker containers wrap software in a

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complete filesystem that contains everything it needs to run, enabling any application to be run anywhere – this flexibly and portably means that you can run apps in the cloud, on virtual machines, or on dedicated servers. This book will give you a tour of the new features of Docker and help you get started with Docker by building and deploying a simple application. It will walk you through the commands required to manage Docker images and containers. You'll be shown how to download new images, run containers, list the containers running on the Docker host, and kill them. You'll learn how to leverage Docker's volumes feature to share data between the Docker host and its containers – this data management feature is also useful

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for persistent data. This book also covers how to orchestrate containers using Docker compose, debug containers, and secure containers using the AppArmor and SELinux security modules. Style and approach This step-by-step guide will walk you through the features and use of Docker, from Docker software installation to the impenetrable security of containers. More physicists today are taking on the role of software developer as part of their research, but software development isn't always easy or obvious, even for physicists. This practical book teaches essential software development skills to help you automate and accomplish nearly any aspect of research in a physics-based field. Written by two PhDs in nuclear

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engineering, this book includes practical examples drawn from a working knowledge of physics concepts. You'll learn how to use the Python programming language to perform everything from collecting and analyzing data to building software and publishing your results. In four parts, this book includes: Getting Started: Jump into Python, the command line, data containers, functions, flow control and logic, and classes and objects Getting It Done: Learn about regular expressions, analysis and visualization, NumPy, storing data in files and HDF5, important data structures in physics, computing in parallel, and deploying software Getting It Right: Build pipelines and software, learn to use

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*local and remote version control, and
debug and test your code Getting It
Out There: Document your code,
process and publish your findings, and
collaborate efficiently; dive into
software licenses, ownership, and
copyright procedures*

*Exam 101-500 and Exam 102-500
1000+ Commands for openSUSE and
SUSE Linux Enterprise
vi Editor Pocket Reference
Linux Phrasebook*

*Ubuntu Linux Toolbox: 1000+
Commands for Power Users*

The Car Hacker's Handbook

More than 50 percent new
and revised content for
today's Linux
environment gets you up
and running in no time!

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Linux continues to be an excellent, low-cost alternative to expensive operating systems.

Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today.

Offers a complete

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restructure, complete with exercises, to make the book a better learning tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system at home or curious to learn

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how to manage Linux
server systems at work.
A concise, fast-paced
guide to orchestrating
and deploying scalable
services with Docker
About This Book Explore
the new features added
to the core Docker
Engine to make multi-
container orchestration
easy Leverage tools such
as Docker Machine,
Swarm, Compose, and
third-party tools such
as Kubernetes,
Mesosphere, and CoreOS
to orchestrate
containers Use Docker

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Compose with Swarm and apply rolling updates for zero downtime deployments Who This Book Is For This book is aimed at Sysadmins and DevOps engineers who know what Docker does and are now looking to manage multiple containers on multiple hosts using the orchestration feature.

What You Will Learn

Build scalable, reliable services with Docker See how to manage a service in Docker using Docker Swarm, Kubernetes, and

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Mesosphere Discover simpler orchestration tools such as CoreOS/Fleet and Rancher Cattle Understand cluster-wide logging, system monitoring, and troubleshooting Build, test, and deploy containers using Continuous Integration Deploy cluster hosts on cloud services and automate your infrastructure In Detail Docker orchestration is what you need when transitioning from deploying containers

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individually on a single host to deploying complex multi-container apps on many machines. This book covers the new orchestration features of Docker 1.12 and helps you efficiently build, test, and deploy your application using Docker. You will be shown how to build multi-container applications using Docker Compose. You will also be introduced to the building blocks for multi-host Docker clusters such as

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registry, overlay networks, and shared storage using practical examples. This book gives an overview of core tools such as Docker Machine, Swarm, and Compose which will enhance your orchestration skills. You'll learn how to set up a swarm using the decentralized building block. Next, you'll be shown how to make the most out of the in-built orchestration feature of Docker engine and you'll use third-party tools

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such as Kubernetes, Mesosphere, and CoreOS to orchestrate your existing process. Finally, you will learn to deploy cluster hosts on cloud services and automate your infrastructure. Style and approach This comprehensive guide will take you through the orchestration feature of Docker. Using practical examples, you will discover various tools that can be used to manage multiple containers with ease.

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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

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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

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(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.

Quickly learn how to use Ubuntu, the fastest growing Linux

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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.

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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

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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

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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

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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.

1000+ Commands for
FreeBSD, OpenBSD and
NetBSD
Ubuntu

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SUSE Linux Toolbox
Ubuntu Linux Bible
1000+ Commands for Power
Users, 2nd Edition
Linux Shell Scripting
Cookbook

In this handy, compact guide, you'll explore a ton of powerful Ubuntu Linux commands while you learn to use Ubuntu Linux as the experts do: from the command line. Try out more than 1,000 commands to find and get software, monitor system health and security, and access network resources. Then, apply the skills you learn from this book to use and administer desktops and servers running Ubuntu, Debian, and KNOPPIX or any other Linux distribution.

The bestselling study guide for the

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popular Linux Professional Institute Certification Level 1 (LPIC-1). The updated fifth edition of LPIC-1: Linux Professional Institute Certification Study Guide is a comprehensive, one-volume resource that covers 100% of all exam objectives. Building on the proven Sybex Study Guide approach, this essential resource offers a comprehensive suite of study and learning tools such as assessment tests, hands-on exercises, chapter review questions, and practical, real-world examples. This book, completely updated to reflect the latest 101-500 and 102-500 exams, contains clear, concise, and user-friendly information on all of the Linux administration topics you will encounter on test day. Key exam topics include system architecture, Linux installation and package management, GNU and

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UNIX commands, user interfaces and desktops, essential system services, network and server security, and many more. Linux Servers currently have a 20% market share which continues to grow. The Linux OS market saw a 75% increase from last year and is the third leading OS, behind Windows and MacOS. There has never been a better time to expand your skills, broaden your knowledge, and earn certification from the Linux Professional Institute. A must-have guide for anyone preparing for the 101-500 and 102-500 exams, this study guide enables you to: Assess your performance on practice exams to determine what areas need extra study Understand and retain vital exam topics such as administrative tasks, network configuration, booting Linux, working with filesystems, writing

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scripts, and using databases Gain insights and tips from two of the industry's most highly respected instructors, consultants, and authors Access Sybex interactive tools that include electronic flashcards, an online test bank, customizable practice exams, bonus chapter review questions, and a searchable PDF glossary of key terms LPIC-1: Linux Professional Institute Certification Study Guide is ideal for network and system administrators studying for the LPIC-1 exams, either for the first time or for the purpose of renewing their certifications.

Shell scripting skills never go out of style. It's the shell that unlocks the real potential of Unix. Shell scripting is essential for Unix users and system administrators-a way to quickly harness and customize the full power

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of any Unix system. With shell scripts, you can combine the fundamental Unix text and file processing commands to crunch data and automate repetitive tasks. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. Classic Shell Scripting is written to help you reliably navigate these tricky waters. Writing shell scripts requires more than just a knowledge of the shell language, it also requires familiarity with the individual Unix programs: why each one is there, how to use them by themselves, and in combination with the other programs. The authors are intimately familiar with the tips and tricks that can be used to create excellent scripts, as well as the traps that can make your best effort a bad shell script. With Classic Shell Scripting you'll avoid hours of wasted

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effort. You'll learn not only write useful shell scripts, but how to do it properly and portably. The ability to program and customize the shell quickly, reliably, and portably to get the best out of any individual system is an important skill for anyone operating and maintaining Unix or Linux systems. Classic Shell Scripting gives you everything you need to master these essential skills.

* An indispensable resource for Fedora users who must now work without customer support from Red Hat, Inc., covering critical troubleshooting techniques for networks, internal servers, and external servers * Chris Negus is a well-known Linux authority and also the author of the top-selling Red Hat Linux Bible (0-7645-4333-4); Thomas Weeks is a trainer and administrator

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who manages hundreds of Red Hat Linux systems * Covers all of the most common Fedora problem areas: firewalls, DNS servers, print servers, Samba, NFS, Web servers, FTP servers, e-mail servers, modems, adding hardware, and hardware certification * Features easy-to-use flowcharts that guide administrators step by step through common Fedora troubleshooting scenarios * A companion Web site offers troubleshooting updates to keep pace with the frequent Fedora Core releases as well as a forum for exchanging troubleshooting tips

Tips & Tools for Exploring, Using, and Tuning Linux

Red Hat Fedora and Enterprise Linux 4 Bible

1000+ Commands for Ubuntu and Debian Power Users

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Kali Linux Penetration Testing Bible
Effective Computation in Physics
UNIX and Linux System Administration
Handbook

Ubuntu Linux Toolbox: 1000+
Commands for Power Users John
Wiley & Sons

Ubuntu Linux--the most popular
Linux distribution on the
planet--preserves the spirit embodied
in the ancient African word ubuntu,
which means both "humanity to
others" and "I am what I am because
of who we all are." Ubuntu won the
Linux Journal Reader's Choice Award
for best Linux distribution and is
consistently the top-ranked Linux
variant on DistroWatch.com. The
reason this distribution is so widely
popular is that Ubuntu is designed to
be useful, usable, customizable, and
always available for free worldwide.

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Ubuntu Hacks is your one-stop source for all of the community knowledge you need to get the most out of Ubuntu: a collection of 100 tips and tools to help new and experienced Linux users install, configure, and customize Ubuntu. With this set of hacks, you can get Ubuntu Linux working exactly the way you need it to. Learn how to: Install and test-drive Ubuntu Linux. Keep your system running smoothly Turn Ubuntu into a multimedia powerhouse: rip and burn discs, watch videos, listen to music, and more Take Ubuntu on the road with Wi-Fi wireless networking, Bluetooth, etc. Hook up multiple displays and enable your video card's 3-D acceleration Run Ubuntu with virtualization technology such as Xen and VMware Tighten your system's

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security Set up an Ubuntu-powered server Ubuntu Hacks will not only show you how to get everything working just right, you will also have a great time doing it as you explore the powerful features lurking within Ubuntu. "Put in a nutshell, this book is a collection of around 100 tips and tricks which the authors choose to call hacks, which explain how to accomplish various tasks in Ubuntu Linux. The so called hacks range from down right ordinary to the other end of the spectrum of doing specialised things...More over, each and every tip in this book has been tested by the authors on the latest version of Ubuntu (Dapper Drake) and is guaranteed to work. In writing this book, it is clear that the authors have put in a lot of hard work in covering all facets of configuring this

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popular Linux distribution which makes this book a worth while buy."

-- Ravi Kumar, Slashdot.org

UNIX For Dummies has been the standard for beginning UNIX references for nearly ten years, and this latest edition continues that tradition of success This unparalleled resource is updated to cover the latest applications of UNIX technology, including Linux and Mac desktops as well as how UNIX works with Microsoft server software Thorough coverage of how to handle UNIX installation, file management, software, utilities, networks, Internet access, and other basic tasks Aimed at the first-time UNIX desktop user growing accustomed to the ins and outs of the OS, as well as the beginning administrator who needs to get a handle on UNIX networking

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basics Written by John Levine and Margaret Levine Young, longtime UNIX experts and highly experienced For Dummies authors

Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems.

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Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to:

- Build an accurate threat model for your vehicle
- Reverse engineer the CAN bus to fake engine signals
- Exploit vulnerabilities in diagnostic and data-logging systems
- Hack the ECU and other firmware and embedded systems
- Feed exploits through infotainment and vehicle-to-vehicle communication systems
- Override factory settings with

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performance-tuning techniques

-Build physical and virtual test benches to try out exploits safely If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

Guide to UNIX Using Linux

Classic Shell Scripting

UNIX For Dummies

Learn Raspberry Pi with Linux

Linux For Dummies

Linux for Networking Professionals

This book is written in a Cookbook style and it offers learning through recipes with examples and illustrations. Each recipe contains step-by-step instructions about everything necessary to execute a particular

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task. The book is designed so that you can read it from start to end for beginners, or just open up any chapter and start following the recipes as a reference for advanced users. If you are a beginner or an intermediate user who wants to master the skill of quickly writing scripts to perform various tasks without reading the entire manual, this book is for you. You can start writing scripts and one-liners by simply looking at the similar recipe and its descriptions without any working knowledge of shell scripting or Linux. Intermediate/advanced users as well as system administrators/

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developers and programmers can use this book as a reference when they face problems while coding.

For desktop or business, here's all the Linux you need Whether you want the latest Linux software in Fedora or a stable Red Hat Enterprise Linux for your business, this book covers it all. Install Fedora Core 4 from the DVD or two CDs included and learn to use Linux as a desktop system or an Internet server. Check out fun applications for surfing the Web and doing office tasks. Learn to manage basic system administration, and move up to

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running your own Web, mail, print, or file server. Configure Fedora or Red Hat Enterprise Linux to: Browse the Web with Firefox Read and send e-mail with Evolution Create documents, spreadsheets, or presentations with OpenOffice.org Set up networked Web, mail, file, database, LDAP, print, or other servers Transition your Fedora skills to Enterprise Linux with: Descriptions of RHEL products, features, and services Pointers to professional RHEL training and certification Install complete Fedora Core 4 from DVD Using the bonus DVD, you can: Boot

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the DVD to check and prepare your computer before installing Fedora (using KNOPPIX) Install the complete Fedora Core 4 Linux operating system (all source code packages included) Install desktop Fedora Core 4 from CD Using the bonus 2-CD set, you can: Select the software you need for a well-stocked desktop system Add key server features to use with your desktop Fedora system Open for more! Find ten cool things you can do with Fedora Use KNOPPIX to test and prepare your computer Get your Windows stuff working in Linux

www.wiley.com/go/fedora4bible

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Say goodbye to unproductive Linux habits and switch to the express lane About This Book Improve your terminal and command-line productivity by using powerful tools Sharpen your existing command-line skills and achieve complex tasks faster Save time and money by creating customized commands that automate day-to-day tasks Who This Book Is For This book is for system administrators and developers who know the basics of Linux and want to brush up and sharpen their skills. Prior experience with Linux shell is required. What You Will Learn Optimize the power of Guake by

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integrating it with Clist Deep dive into the workings of the console editor—Vim Explore the advanced concepts and best practices of shell scripting Edit large amounts of data quickly using Sed Use pipes and subshells to create customized commands Get to know how you can speed up the software development and make the terminal a handy companion In Detail Websites, online services, databases, and pretty much every other computer that offers public services runs on Linux. From small servers to clusters, Linux is anywhere and everywhere. With such a broad

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usage, the demand for Linux specialists is ever growing. For the engineers out there, this means being able to develop, interconnect, and maintain Linux environments. This book will help you increase your terminal productivity by using Terminator, Guake and other tools. It will start by installing Ubuntu and will explore tools and techniques that will help you to achieve more work with less effort. Next, it will then focus on Terminator, the ultimate terminal, and vim, one of the most intelligent console editors. Furthermore, the readers will see how they can increase their command line productivity

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by using sed, find, tmux, network, autoenv. The readers will also see how they can edit files without leaving the terminal and use the screen space efficiently and copy-paste like a pro. Towards the end, we focus on network settings, Git hacks, and creating portable environments for development and production using Docker. Through this book, you will improve your terminal productivity by seeing how to use different tools. Style and Approach This book takes a step-by-step approach using examples that show you how to automate tasks using terminal

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commands. You'll work through easy-to-follow instructions so you learn to use the various Linux commands and tools such as Terminator, Guake, and others. Get to grips with the most common as well as complex Linux networking configurations, tools, and services to enhance your professional skills

Key Features Learn how to solve critical networking problems using real-world examples

Configure common networking services step by step in an enterprise environment

Discover how to build infrastructure with an eye toward defense against common attacks

Book

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Description As Linux continues to gain prominence, there has been a rise in network services being deployed on Linux for cost and flexibility reasons. If you are a networking professional or an infrastructure engineer involved with networks, extensive knowledge of Linux networking is a must. This book will guide you in building a strong foundation of Linux networking concepts. The book begins by covering various major distributions, how to pick the right distro, and basic Linux network configurations. You'll then move on to Linux network diagnostics, setting up a Linux firewall, and using Linux as a

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host for network services. You'll discover a wide range of network services, why they're important, and how to configure them in an enterprise environment. Finally, as you work with the example builds in this Linux book, you'll learn to configure various services to defend against common attacks. As you advance to the final chapters, you'll be well on your way towards building the underpinnings for an all-Linux datacenter. By the end of this book, you'll be able to not only configure common Linux network services confidently, but also use tried-and-tested methodologies

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for future Linux installations.
What you will learn Use Linux as
a troubleshooting and
diagnostics platform Explore
Linux-based network services
Configure a Linux firewall and
set it up for network services
Deploy and configure Domain
Name System (DNS) and
Dynamic Host Configuration
Protocol (DHCP) services
securely Configure Linux for load
balancing, authentication, and
authorization services Use Linux
as a logging platform for network
monitoring Deploy and configure
Intrusion Prevention Services
(IPS) Set up Honeypot solutions
to detect and foil attacks Who

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this book is for This book is for IT and Windows professionals and admins looking for guidance in managing Linux-based networks. Basic knowledge of networking is necessary to get started with this book.

Hidden Commands that Unlock the Power of Unix

LPIC-1 Linux Professional Institute Certification Study Guide

BSD UNIX Toolbox

Learning Docker

Securely configure and operate Linux network services for the enterprise

Official Ubuntu Book

Written with a clear,

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straightforward writing style and packed with step-by-step projects for direct, hands-on learning, Guide to UNIX Using Linux, 4E is the perfect resource for learning UNIX and Linux from the ground up. Through the use of practical examples, end-of-chapter reviews, and interactive exercises, novice users are transformed into confident UNIX/Linux users who can employ utilities, master files, manage and query data, create scripts, access a network or the Internet, and navigate popular user interfaces and software. The updated 4th edition incorporates coverage of the latest versions of UNIX and Linux, including new

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versions of Red Hat, Fedora, SUSE, and Ubuntu Linux. A new chapter has also been added to cover basic networking utilities, and several other chapters have been expanded to include additional information on the KDE and GNOME desktops, as well as coverage of the popular OpenOffice.org office suite. With a strong focus on universal UNIX and Linux commands that are transferable to all versions of Linux, this book is a must-have for anyone seeking to develop their knowledge of these systems. Important Notice: Media content referenced within the product description or the product text

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may not be available in the ebook version.

This is Linux for those of us who don't mind typing. All Linux users and administrators tend to like the flexibility and speed of Linux administration from the command line in byte-sized chunks, instead of fairly standard graphical user interfaces.

Beginning the Linux Command Line is verified against all of the most important Linux distributions, and follows a task-oriented approach which is distribution agnostic. Now this Second Edition of Beginning the Linux Command Line updates to the very latest versions of the

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Linux Operating System, including the new Btrfs file system and its management, and systemd boot procedure and firewall management with firewalld! Updated to the latest versions of Linux Work with files and directories, including Btrfs! Administer users and security, and deploy firewalld Understand how Linux is organized, to think Linux!

Learn Raspberry Pi with Linux will tell you everything you need to know about the Raspberry Pi's GUI and command line so you can get started doing amazing things. You'll learn how to set up your new Raspberry Pi with a monitor,

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keyboard and mouse, and you'll discover that what may look unfamiliar in Linux is really very familiar. You'll find out how to connect to the internet, change your desktop settings, and you'll get a tour of installed applications. Next, you'll take your first steps toward being a Raspberry Pi expert by learning how to get around at the Linux command line. You'll learn about different shells, including the bash shell, and commands that will make you a true power user. Finally, you'll learn how to create your first Raspberry Pi projects: Making a Pi web server: run LAMP on your own network

Making your Pi wireless: remove all the cables and retain all the functionality Making a Raspberry Pi-based security cam and messenger service: find out who's dropping by Making a Pi media center: stream videos and music from your Pi Raspberry Pi is awesome, and it's Linux. And it's awesome because it's Linux. But if you've never used Linux or worked at the Linux command line before, it can be a bit daunting. Raspberry Pi is an amazing little computer with tons of potential. And Learn Raspberry Pi with Linux can be your first step in unlocking that potential.

The first comprehensive guide to discovering and preventing attacks on the Android OS As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed

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for various system components, preparing you to defend against them. If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox. A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis Covers Android application building blocks and security as well as debugging and auditing Android apps Prepares mobile device administrators, security

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**researchers, Android app
developers, and security
consultants to defend
Android systems against attack
Android Hacker's Handbook is
the first comprehensive resource
for IT professionals charged with
smartphone security.**

**Data Science at the Command
Line**

**A Project-based Introduction to
Linux**

**A Guide for the Penetration
Tester**

Linux All-in-One For Dummies

Ubuntu Made Easy

**A Beginners Guide to Using
Linux**

One of the fastest ways to learn Linux

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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

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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.

A complete guide and reference to five major Linux distributions Linux continues to grow in popularity worldwide as a low-cost, reliable operating system for enterprise use. Nine minibooks in this guide cover everything administrators need to know about the five leading versions: Ubuntu, Fedora Core, OpenSUSE, Mint, and Mandriva. The companion DVD includes full Ubuntu installations

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and ISO images for the other four, saving hours of downloading time. The open source Linux operating system is gaining market share around the world for both desktop and server use; this soup-to-nuts guide covers installation and everything else administrators need to know about Ubuntu, Fedora Core, OpenSUSE, Mint, and Mandriva. Nine self-contained minibooks cover Linux basics, desktops, networking, Internet, administration, security, Linux servers, programming, and scripting. Updated to cover the newest versions of the five top distributions, with complete installation instructions and a DVD including the full Ubuntu installations and ISO images for the others, Linux users and administrators will be able to install and sample five popular Linux flavors with the information in *Linux All-in-One For*

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Dummies. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

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

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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.

Want to learn a new skill? Expand the technology that you work with? This book covers the basics of understanding how to use Linux. We will use Ubuntu 14.04 LTS to learn multiple fundamentals in using Linux and later will go through the process of creating a web server. 80% of websites are driven by Linux servers. Understanding the basics and

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expanding upon this will provide great career opportunities and a great skill as well. We start simple and the reader does not need any prior knowledge. We will make baby steps and slowly work ourselves up to configuring the Ubuntu Server to be a functional web server. There will still be much to learn, but within a few hours you can have your own Linux server setup, understand the basics, and also have WordPress loaded into it. We cover installing packages, creating files in nano, LAMP stack, and try to do so in a practical way so that you can finish this guide with something to show off.

Unix Shell Programming

Expert Recipes for Linux, Bash, and more

Facing the Future with Time-Tested Tools

Where To Download Ubuntu Linux Toolbox 1000 Commands For Power Users Linux Bible

Ubuntu Linux Toolbox

Working with Linux – Quick Hacks for the Command Line

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.

Linux Phrasebook offers a concise, handy reference that, like a language phrasebook, can be used "in the street." Skipping the usually tutorial on Linux, the Linux Phrasebook goes straight to practical Linux uses, providing immediate applicable solutions for day-to-day tasks.

“As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System

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Administration Handbook is one of the few books we ever measured ourselves against.”

—Tim O’Reilly, founder of O’Reilly Media

“This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive.” —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security

“This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems’ history but doesn’t bloviate. It’s just straight-forward information delivered in a colorful and memorable fashion.” —Jason A. Nunnelley

UNIX® and Linux® System Administration

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Handbook, Fifth Edition, is today's definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or Linux, this

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conversational, well-written guide will improve your efficiency and help solve your knottiest problems.

In this handy, compact guide, you'll explore a ton of powerful SUSE Linux commands while you learn to use SUSE Linux as the experts do: from the command line. Try out more than 1,000 commands to find and get software, monitor system health and security, and access network resources.

Then, apply the skills you learn from this book to use and administer desktops and servers running openSUSE and SUSE Linux Enterprise or any other Linux distribution.

Learning the bash Shell

Beginning the Linux Command Line

Field Guide to Research with Python

Learning Ubuntu

Linux Troubleshooting Bible

Ubuntu Hacks

O'Reilly's bestselling book on Linux's bash shell is at it again. Now that

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Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell. As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display.

Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides. If you are new to shell

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programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming

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The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security