

Linux Server Hacks Volume Two Tips Tools For Connecting Monitoring And Troubleshooting Paperback January 1 2006

The authors bring readers more of the practical tips and tricks that made the first edition a runaway hit. Completely revised and updated, this version includes over 30 new hacks, major overhauls of over 30 more, and timely adjustments and touch-ups to dozens of other hacks.

“If you’re a developer trying to figure out why your application is not responding at 3 am, you need this book! This is now my go-to book when diagnosing production issues. It has saved me hours in troubleshooting complicated operations problems.” –Trotter Cashion, cofounder, Mashion DevOps can help developers, QAs, and admins work together to solve Linux server problems far more rapidly, significantly improving IT performance, availability, and efficiency. To gain these benefits, however, team members need common troubleshooting skills and practices. In *DevOps Troubleshooting: Linux Server Best Practices*, award-winning Linux expert Kyle Rankin brings together all the standardized, repeatable techniques your team needs to stop finger-pointing, collaborate effectively, and quickly solve virtually any Linux server problem. Rankin walks you through using DevOps techniques to troubleshoot everything from boot failures and corrupt disks to lost email and downed websites. You’ll master indispensable skills for diagnosing high-load systems and network problems in production environments. Rankin shows how to Master DevOps’ approach to troubleshooting and proven Linux server problem-solving principles Diagnose slow servers and applications by identifying CPU, RAM, and Disk I/O bottlenecks Understand healthy boots, so you can identify failure points and fix them Solve full or corrupt disk issues that prevent disk writes Track down the sources of network problems Troubleshoot DNS, email, and other network services Isolate and diagnose Apache and Nginx Web server failures and slowdowns Solve problems with MySQL and Postgres database servers and queries Identify hardware failures—even notoriously elusive intermittent failures

Written by an avid TiVo hacker, and active TiVo community member, "Hacking TiVo" appeals to both experienced tweekers and curious observers alike by walking them through the steps needed to do everything from increasing the storage capacity of their TiVos to connecting them to the internet. After completing this book, readers will enjoy being able to say that they have enhanced their TiVo, that they have larger TiVos than can be purchased, and that they have features that don't exist for others. They will also know where to look for the latest developments, and know enough to start some serious tinkering on their own. Topics covered include: Secret TiVo backdoor codes Increasing recording time with larger hard drives Getting access to the TiVo operating system Transferring files to and from your PC Controlling your Tivo from

the Internet Adding sports scores, stocks and weather features Displaying your own photos and graphics on your TV Hooking AOL Instant Messenger into your TiVo Seeing who is calling you on your TV screen Receiving your email from your TiVo Distributing TiVo video throughout your entire house

Until you can think like a bad guy and recognize the vulnerabilities in your system, you can't build an effective plan to keep your information secure. The book helps you stay on top of the security game!

This book presents you with a complete foundation on the Xen technology and shows you how Xen virtualization offers faster response times for new server and service requests, a simplified system administration for multiple systems, and better availability for critical computing resources. Packed with detailed examples of Xen configuration files, system configuration files, and system-level configuration information, this book shows you why Xen virtualization is among the leading emerging technologies on the Linux platform and is being integrated into virtually every commercial distribution.

Book (Hacking: Being A Teen Hacker) overview and key Learning Points- This work is not what most people would expect to read when they pick up a "hacking" book. Rather than showing the reader how to perform traditional penetration test attacks against networks and systems, we will be taking an unusual journey, intended to expand the mind of the reader and force them to Learn Key Points How to start Ethical Hacking & Computer Security Awareness from a completely different perspective. A step By Step Ethical Hacking Guide for Teens. Including Live 25 Google Hacks that force Peoples to think that Hackers (you) are Most Intelligent Guys on this earth. Hacking is the most exhilarating game on the planet. They Think that you are an Evil Genius. This Guide to (Mostly) Harmless Hacking can be your gateway into this world. After reading just a few from this Guides you will be able to pull off stunts that will be legal, phun, and will impress the heck out of your friends. This is first Hacking Book on this Earth for Teens, for elementary school students, junior high school students, and high school students. Hacking is the art of creative problem solving, whether that means finding an unconventional solution to a difficult problem or exploiting holes in sloppy programming. Many people call themselves hackers, but few have the strong technical foundation needed to really push the envelope. Rather than merely showing how to run existing exploits, World Famous Hackers & Author Harry Hariom Choudhary & Richard Pryce explains how arcane hacking techniques actually work. To share the art and science of hacking in a way that is accessible to everyone, Hacking: Being A Teen Hacker, What Inside Chapter-I (HISTORY_of_Computer_Hacking) A brief history of Computer Hacking. Top 10 Indian Hackers. Evolution of Hacking. The golden Era & Now. Criminalization. Hacker and cracker profiles. Who cracks? Chapter-II (Being_a_TEEN_Hacker) Resources. Books. Magazines and Newspapers. Forums and Mailing Lists. Websites. Chat. P2P. Chapter -III (Windows_and_Linux) What Is Operating System? Windows and Linux. Introduction and Objectives. Requirements and

Setup. Requirements. Setup. System Operation: WINDOWS. How to open an MS-DOS window. Commands and tools (Windows). System Operations: Linux. How to open a console window. Commands and tools (Linux). Chapter –IV (Ports_and_Protocols) Basic concepts of networks. Devices. Topologies. TCP/IP model. Layers. Application. Transport. Internet. Network Access. Protocols. Application layer protocols. Transport layer Protocols. Internet layer Protocols. IP Addresses. Ports. Encapsulation. Chapter-V (Services_and_Connections) SERVICES AND CONNECTIONS. Services. HTTP and The Web. E-Mail – POP and SMTP. IRC. FTP. Telnet and SSH. DNS. DHCP. Connections. ISPs. Plain Old Telephone Service. DSL. Cable Modems. Chapter-VI (System_Identification) Identifying a Server. Identifying the Owner of a Domain. Identifying the IP address of a Domain. Identifying Services. Ping and Trace Route. Banner Grabbing. Identifying Services from Ports and Protocols. System Finger printing. Scanning Remote Computers. Chapter-Vii (malwares) Viruses. Description. Boot Sector Viruses. The Executable File Virus. The Terminate and Stay Resident (TSR) Virus. The Polymorphic Virus. The Macro Virus. Worms. Trojans and Spyware. Description. Rootkits and Backdoors. Logic bombs and Time bombs. Counter measures. Anti-Virus. NIDS. HIDS. Firewalls. Sandboxes. Good Safety Advice. Chapter-Vii (Google live hacking) Gravity God on Earth Pac-man Mirror Google Hacker Barrel Roll Rainbow Sphere Spam Tilt or Askew Dragon Slayer Ninja Doodles Recursion Flight Simulator Anagram disappearing “OO” Annoying Epic Weenie Chicken Rolling

Introduces more than one hundred effective ways to ensure security in a Linux, UNIX, or Windows network, covering both TCP/IP-based services and host-based security techniques, with examples of applied encryption, intrusion detections, and logging.

Voice over Internet Protocol (VoIP) is gaining a lot of attention these days, as more companies and individuals switch from standard telephone service to phone service via the Internet. The reason is simple: A single network to carry voice and data is easier to scale, maintain, and administer. As an added bonus, it's also cheaper, because VoIP is free of the endless government regulations and tariffs imposed upon phone companies. VoIP is simply overflowing with hack potential, and VoIP Hacks is the practical guide from O'Reilly that presents these possibilities to you. It provides dozens of hands-on projects for building a VoIP network, showing you how to tweak and customize a multitude of exciting things to get the job done. Along the way, you'll also learn which standards and practices work best for your particular environment. Among the quick and clever solutions showcased in the book are those for: gauging VoIP readiness on an enterprise network using SIP, H.323, and other signaling specifications providing low-layer security in a VoIP environment employing IP hardphones, analog telephone adapters, and softPBX servers dealing with and avoiding the most common VoIP deployment mistakes In reality, VoIP Hacks contains only a small subset of VoIP knowledge-enough to serve as an introduction to the world of VoIP and teach you how to use it to save money, be more productive, or just impress your friends. If you love to tinker and optimize, this is the one technology, and the one book, you must investigate.

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Implement Industrial-Strength Security on Any Linux Server In an age of mass surveillance, when advanced cyberwarfare weapons rapidly migrate into every hacker's toolkit, you can't

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rely on outdated security methods—especially if you're responsible for Internet-facing services. In *Linux® Hardening in Hostile Networks*, Kyle Rankin helps you to implement modern safeguards that provide maximum impact with minimum effort and to strip away old techniques that are no longer worth your time. Rankin provides clear, concise guidance on modern workstation, server, and network hardening, and explains how to harden specific services, such as web servers, email, DNS, and databases. Along the way, he demystifies technologies once viewed as too complex or mysterious but now essential to mainstream Linux security. He also includes a full chapter on effective incident response that both DevOps and SecOps can use to write their own incident response plan. Each chapter begins with techniques any sysadmin can use quickly to protect against entry-level hackers and presents intermediate and advanced techniques to safeguard against sophisticated and knowledgeable attackers, perhaps even state actors. Throughout, you learn what each technique does, how it works, what it does and doesn't protect against, and whether it would be useful in your environment. Apply core security techniques including 2FA and strong passwords Protect admin workstations via lock screens, disk encryption, BIOS passwords, and other methods Use the security-focused Tails distribution as a quick path to a hardened workstation Compartmentalize workstation tasks into VMs with varying levels of trust Harden servers with SSH, use `apparmor` and `sudo` to limit the damage attackers can do, and set up remote syslog servers to track their actions Establish secure VPNs with OpenVPN, and leverage SSH to tunnel traffic when VPNs can't be used Configure a software load balancer to terminate SSL/TLS connections and initiate new ones downstream Set up standalone Tor services and hidden Tor services and relays Secure Apache and Nginx web servers, and take full advantage of HTTPS Perform advanced web server hardening with HTTPS forward secrecy and ModSecurity web application firewalls Strengthen email security with SMTP relay authentication, SMTPS, SPF records, DKIM, and DMARC Harden DNS servers, deter their use in DDoS attacks, and fully implement DNSSEC Systematically protect databases via network access control, TLS traffic encryption, and encrypted data storage Respond to a compromised server, collect evidence, and prevent future attacks Register your product at informit.com/register for convenient access to downloads, updates, and corrections as they become available.

Provides advice and tools to help Linux system administrators solve problems, offering hacks devoted to concerns such as improving efficiency, tracking revisions to system files, and tracking system performance.

Computer security is an ongoing process, a relentless contest between system administrators and intruders. A good administrator needs to stay one step ahead of any adversaries, which often involves a continuing process of education. If you're grounded in the basics of security, however, you won't necessarily want a complete treatise on the subject each time you pick up a book. Sometimes you want to get straight to the point. That's exactly what the new *Linux Security Cookbook* does. Rather than provide a total security solution for Linux computers, the authors present a series of easy-to-follow recipes--short, focused pieces of code that administrators can use to improve security and perform common tasks securely. The *Linux Security Cookbook* includes real solutions to a wide range of targeted problems, such as sending encrypted email within Emacs, restricting access to network services at particular times of day, firewalling a webserver, preventing IP spoofing, setting up key-based SSH authentication, and much more. With over 150 ready-to-use scripts and configuration files, this unique book helps administrators secure their systems without having to look up specific syntax. The book begins with recipes devised to establish a secure system, then moves on to secure day-to-day practices, and concludes with techniques to help your system stay secure. Some of the "recipes" you'll find in this book are: Controlling access to your system from firewalls down to individual services, using iptables, ipchains, xinetd, inetd, and more Monitoring your network with tcpdump, dsniff, netstat, and other tools Protecting network

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connections with Secure Shell (SSH) and stunnel Safeguarding email sessions with Secure Sockets Layer (SSL) Encrypting files and email messages with GnuPG Probing your own security with password crackers, nmap, and handy scripts This cookbook's proven techniques are derived from hard-won experience. Whether you're responsible for security on a home Linux system or for a large corporation, or somewhere in between, you'll find valuable, to-the-point, practical recipes for dealing with everyday security issues. This book is a system saver.

Kali Linux: a complete pentesting toolkit facilitating smooth backtracking for working hackers

About This Book Conduct network testing, surveillance, pen testing and forensics on MS Windows using Kali Linux Footprint, monitor, and audit your network and investigate any ongoing infestations Customize Kali Linux with this professional guide so it becomes your pen testing toolkit **Who This Book Is For** If you are a working ethical hacker who is looking to expand the offensive skillset with a thorough understanding of Kali Linux, then this is the book for you. Prior knowledge about Linux operating systems and the BASH terminal emulator along with Windows desktop and command line would be highly beneficial. **What You Will Learn** Set up Kali Linux for pen testing Map and enumerate your Windows network Exploit several common Windows network vulnerabilities Attack and defeat password schemes on Windows Debug and reverse-engineer Windows programs Recover lost files, investigate successful hacks and discover hidden data in innocent-looking files Catch and hold admin rights on the network, and maintain backdoors on the network after your initial testing is done **In Detail** Microsoft Windows is one of the two most common OS and managing its security has spawned the discipline of IT security. Kali Linux is the premier platform for testing and maintaining Windows security. Kali is built on the Debian distribution of Linux and shares the legendary stability of that OS. This lets you focus on using the network penetration, password cracking, forensics tools and not the OS. This book has the most advanced tools and techniques to reproduce the methods used by sophisticated hackers to make you an expert in Kali Linux penetration testing. First, you are introduced to Kali's top ten tools and other useful reporting tools. Then, you will find your way around your target network and determine known vulnerabilities to be able to exploit a system remotely. Next, you will prove that the vulnerabilities you have found are real and exploitable. You will learn to use tools in seven categories of exploitation tools. Further, you perform web access exploits using tools like websploit and more. Security is only as strong as the weakest link in the chain. Passwords are often that weak link. Thus, you learn about password attacks that can be used in concert with other approaches to break into and own a network. Moreover, you come to terms with network sniffing, which helps you understand which users are using services you can exploit, and IP spoofing, which can be used to poison a system's DNS cache. Once you gain access to a machine or network, maintaining access is important. Thus, you not only learn penetrating in the machine you also learn Windows privilege's escalations. With easy to follow step-by-step instructions and support images, you will be able to quickly pen test your system and network.

Style and approach This book is a hands-on guide for Kali Linux pen testing. This book will provide all the practical knowledge needed to test your network's security using a proven hacker's methodology. The book uses easy-to-understand yet professional language for explaining concepts.

Offers detailed information on Linux-specific internal and external hacks, explaining how to tighten and maintain security on Linux networks.

Today's system administrators deal with a vast number of situations, operating systems, software packages, and problems. Those who are in the know have kept their copy of Linux Server Hacks close at hand to ease their burden. And while this helps, it's not enough: any sys admin knows there are many more hacks, cool tips, and ways of solving problems than can fit in a single volume

(one that mere mortals can lift, that is). Which is why we created Linux Server Hacks, Volume Two, a second collection of incredibly useful tips and tricks for finding and using dozens of open source tools you can apply to solve your sys admin problems. The power and flexibility of Linux and Open Source means that there is an astounding amount of great software out there waiting to be applied to your sys admin problems -- if only you knew about it and had enough information to get started. Hence, Linux Server Hacks, Volume Two. This handy reference offers 100 completely new server management tips and techniques designed to improve your productivity and sharpen your administrative skills. Each hack represents a clever way to accomplish a specific task, saving you countless hours of searching for the right answer. No more sifting through man pages, HOWTO websites, or source code comments -- the only resource you need is right here. And you don't have to be a system administrator with hundreds of boxen to get something useful from this book as many of the hacks apply equally well to a single system or a home network. Compiled by experts, these hacks not only give you the step-by-step instructions necessary to implement the software, but they also provide the context to truly enable you to learn the technology. Topics include: Authentication Remote GUI connectivity Storage management File sharing and synchronizing resources Security/lockdown instruction Log files and monitoring Troubleshooting System rescue, recovery, and repair Whether they help you recover lost data, collect information from distributed clients, or synchronize administrative environments, the solutions found in Linux Server Hacks, Volume Two will simplify your life as a system administrator. 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 integrating it with Cliqua 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 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 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 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.

Presents a collection of tips and techniques for getting the most out of Amazon.com, covering such topics as browsing and searching, community features, selling through Amazon, and Amazon Web services.

Linux Desktop Hacks is packed with tips on customizing and improving the interface, managing system resources, and making the most out of KDE, Gnome and the new Java desktop.

Building Wireless Community Networks is about getting people online using wireless network technology. The 802.11b standard (also known as WiFi) makes it possible to network towns, schools, neighborhoods, small business, and almost any kind of organization. All that's required is a willingness to cooperate and share resources. The first edition of this book helped thousands of people engage in community networking activities. At the time, it was impossible to predict how quickly and thoroughly WiFi would penetrate the marketplace. Today, with WiFi-enabled computers almost as common as Ethernet, it makes even more sense to take the next step and network your community using nothing but freely available radio spectrum. This book has showed many people how to make their network available, even from the park bench, how to extend high-speed Internet access into the many areas not served by DSL and cable providers, and how to build working communities and a shared though intangible network. All that's required to create an access point for high-speed Internet connection is a gateway or base station. Once that is set up, any computer with a wireless card can log onto the network and share its resources. Rob Flickenger built such a network in northern California, and continues to participate in network-building efforts. His nuts-and-bolts guide covers: Selecting the appropriate equipment Finding antenna sites, and building and installing antennas Protecting your network from inappropriate access New network monitoring tools and techniques (new) Regulations affecting wireless deployment (new) IP network administration, including DNS and IP Tunneling (new) His expertise, as well as his sense of humor and enthusiasm for the topic, makes Building Wireless Community Networks a very useful and readable book for anyone interested in wireless connectivity.

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The best resource on the very latest for Ubuntu users! Ubuntu is a free, open-source, Linux-based operating system that can run on desktops, laptops, netbooks, and servers. If you've joined the millions of users around the world who prefer open-source OS-and Ubuntu in particular-this book is perfect for you. It brings you the very latest on Ubuntu 10.04, with pages of step-by-step instruction, helpful tips, and expert techniques. Coverage Includes: The Ubuntu Linux Project Installing Ubuntu Installing Ubuntu on Special-Purpose Systems Basic Linux System Concepts Using the GNOME Desktop Using the Compiz Window Manager Managing E-Mail and Personal Information with Evolution Surfing the Web with Firefox Migrating from Windows Systems Sending and Receiving Instant Messages Using Command-Line Tools Working with Text Files Creating and Publishing Documents Other Office Software: Spreadsheets and Presentations Working with Graphics Working with Multimedia Consumer Electronics and Ubuntu Adding, Removing, and Updating Software Adding Hardware and Attaching Peripherals Network Configuration and Security Going Wireless Software Development on Ubuntu Using Virtual Machines and Emulators Connecting to Other Systems File Transfer and Sharing Managing Users, Groups, and Authentication Backing Up and Restoring Files Setting Up a Web Server Setting Up a Mail Server Setting Up a DHCP Server Setting Up a DNS Server Setting Up a Print Server Setting Up an NFS Server Up a Samba Server Updating your Ubuntu? Ubuntu Linux Bible, Third Edition, is the book you need to succeed!

Linux Server Hacks 2 covers a wide variety of topics like replication, emulation, authentication, print management, and file sharing. Essential security and lockdown instructions are included for SELinux and firewall users. Coverage of advanced system administration hacks are included for topics such as request tracking, web mail, and shared calendars. While it's an ideal follow-up to Linux Server Hacks, this book is a valuable asset all on its own.

A competent system administrator knows that a Linux server is a high performance system for routing large amounts of information through a network connection. Setting up and maintaining a Linux server requires understanding not only the hardware, but the ins and outs of the Linux operating system along with its supporting cast of utilities as well as layers of applications software. There's basic documentation online but there's a lot beyond the basics you have to know, and this only comes from people with hands-on, real-world experience. This kind of "know how" is what we sought to capture in Linux Server Hacks. Linux Server Hacks is a collection of 100 industrial-strength hacks, providing tips and tools that solve practical problems for Linux system administrators. Every hack can be read in just a few minutes but will save hours of searching for the right answer. Some of the hacks are subtle, many of them are non-obvious, and all of them demonstrate the power and flexibility of a Linux system. You'll find hacks devoted to tuning the Linux kernel to make your system run more efficiently, as well as using CVS or RCS to track the revision to system files. You'll learn alternative ways to do backups, how to use system monitoring tools to track system performance and a variety of secure networking solutions. Linux Server Hacks also helps you manage large-scale Web installations running Apache, MySQL, and other open source tools that are typically part of a Linux system. O'Reilly's new Hacks Series proudly reclaims the term "hacking" for the good guys. Hackers use their ingenuity to solve interesting problems. Rob Flickenger is an

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experienced system administrator, having managed the systems for O'Reilly Network for several years. (He's also into community wireless networking and he's written a book on that subject for O'Reilly.) Rob has also collected the best ideas and tools from a number of other highly skilled contributors. Written for users who already understand the basics, Linux Server Hacks is built upon the expertise of people who really know what they're doing.

IRC (Internet Relay Chat) may very well turn out to be the world's most successful hack. In 1988, Jarkko Oikarinen wrote the original IRC program at the University of Oulu, Finland. As he says in his foreword, "IRC started as one summer trainee's programming exercise. A hack grew into a software development project that hundreds of people participated in, and then became a worldwide environment where tens of thousands of people now spend time with each other. I have found many of my friends through IRC and learnt a significant part of my present software engineering knowledge while using and working with IRC. That would not have been possible without learning from code examples and hacks from others". IRC has continued to grow in popularity since its inception. Millions of people from all over the world now use IRC to chat with friends, discuss projects and collaborate on research. With a simple, clearly defined protocol, IRC has become one of the most accessible chat environments, with clients written for a multitude of operating systems. And IRC is more than just a simple chat system it is a network of intercommunicating servers, allowing thousands of clients to connect from anywhere in the world using the IRC protocol. While IRC is easy to get into and many people are happy to use it without being aware of what's happening under the hood, there are those who hunger for more knowledge, and this book is for them. IRC Hacks is a collection of tips and tools that cover just about everything needed to become a true IRC master, featuring contributions from some of the most renowned IRC hackers, many of whom collaborated on IRC, grouping together to form the channel #irchacks on the freenode IRC network (irc.freenode.net). Like all of our Hacks books, there are many different ways to use IRC Hacks. You can read the book from cover to cover, but you might be better served by picking an interesting item from the table of contents and just diving in. If you're relatively new to IRC, you should consider starting with a few hacks from each progressive chapter. Chapter 1 starts you off by showing you how to connect to IRC, while Chapter 2 acquaints you with the everyday concepts you'll need to use IRC effectively. Chapter 3 is all about users and channels, and introduces the first pieces of code. Chapter 4 shows you how to make useful enhancements to IRC clients. Chapter 5 is where you will learn the basics about creating IRC bots, with Chapters 6-12 introducing more complex bots that can be used for logging, servicing communities, searching, announcing, networking, managing channels or simply for having fun. Chapter 13 delves into the IRC protocol in more detail, and Chapter 14 demonstrates some interesting alternative methods for connecting to IRC. Finally, Chapter 15 will move you on to new pastures by showing you how to set up your own IRC server. This book presents an opportunity to learn how IRC works and how to make best use of some of the features that have made it the most successful, most scalable, and most mature chat system on this planet. IRC Hacks delves deep into the possibilities.

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Ubuntu Linux--the most popular Linux distribution on the planet--preserves the spirit embodied in the ancient African word ubuntu, which means both "humanity to others" and "I am what I am because of who we all are." Ubuntu won the Linux Journal Reader's Choice Award for best Linux distribution and is consistently the top-ranked Linux variant on DistroWatch.com. The reason this distribution is so widely popular is that Ubuntu is designed to be useful, usable, customizable, and always available for free worldwide. Ubuntu Hacks is your one-stop source for all of the community knowledge you need to get the most out of Ubuntu: a collection of 100 tips and tools to help new and experienced Linux users install, configure, and customize Ubuntu. With this set of hacks, you can get Ubuntu Linux working exactly the way you need it

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to. Learn how to: Install and test-drive Ubuntu Linux. Keep your system running smoothly Turn Ubuntu into a multimedia powerhouse: rip and burn discs, watch videos, listen to music, and more Take Ubuntu on the road with Wi-Fi wireless networking, Bluetooth, etc. Hook up multiple displays and enable your video card's 3-D acceleration Run Ubuntu with virtualization technology such as Xen and VMware Tighten your system's security Set up an Ubuntu-powered server Ubuntu Hacks will not only show you how to get everything working just right, you will also have a great time doing it as you explore the powerful features lurking within Ubuntu. "Put in a nutshell, this book is a collection of around 100 tips and tricks which the authors choose to call hacks, which explain how to accomplish various tasks in Ubuntu Linux. The so called hacks range from down right ordinary to the other end of the spectrum of doing specialised things...More over, each and every tip in this book has been tested by the authors on the latest version of Ubuntu (Dapper Drake) and is guaranteed to work. In writing this book, it is clear that the authors have put in a lot of hard work in covering all facets of configuring this popular Linux distribution which makes this book a worth while buy." -- Ravi Kumar, Slashdot.org

A guide to CVS, a version tracking system, covers such topics as tagging and branching, repository management, multiple users, and project management.

The key to mastering any Unix system, especially Linux and Mac OS X, is a thorough knowledge of shell scripting. Scripting is a way to harness and customize the power of any Unix system, and it's an essential skill for any Unix users, including system administrators and professional OS X developers. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. bash Cookbook teaches shell scripting the way Unix masters practice the craft. It presents a variety of recipes and tricks for all levels of shell programmers so that anyone can become a proficient user of the most common Unix shell -- the bash shell -- and cygwin or other popular Unix emulation packages. Packed full of useful scripts, along with examples that explain how to create better scripts, this new cookbook gives professionals and power users everything they need to automate routine tasks and enable them to truly manage their systems -- rather than have their systems manage them.

Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that administrators love. Now, there's a definitive, authoritative guide to getting up and running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, The Official Ubuntu Server Book, Third Edition, covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior systems administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common server applications, from file and print services to state-of-the-art, cost-saving virtualization and cloud computing. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost Web servers and e-mail Protect your server with Ubuntu's built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won't boot Deploy your own Ubuntu servers in the cloud

Provides tips and techniques on wireless networking, covering a variety of topics, including wireless standards, Bluetooth, hardware, antennas, and wireless security.

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Explains how to create a professional-quality Internet radio broadcast, with sections on selecting the right software, creating quality sound, building a show, distributing a podcast, audio editing, videocasting, and more. Original. (Intermediate)

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

This book constitutes the thoroughly refereed post-proceedings of the 12th International Symposium on Graph Drawing, GD 2004, held in New York, NY, USA in September/October 2004. The 39 revised full papers and 12 revised short papers presented together with 4 posters and a report on the graph drawing context were carefully selected during two rounds of reviewing and improvement. All current aspects in graph drawing are addressed ranging from foundational and methodological issues to applications for various classes of graphs in a variety of fields.

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