

Sudo Mastery User Access Control For Real People It Mastery Book 3

With platforms designed for rapid adaptation and failure recovery such as Amazon Web Services, cloud computing is more like programming than traditional system administration. Tools for automatic scaling and instance replacement allow even small DevOps teams to manage massively scalable application infrastructures—if team members drop their old views of development and operations and start mastering automation. This comprehensive guide shows developers and system administrators how to configure and manage AWS services including EC2, CloudFormation, Elastic Load Balancing, S3, and Route 53. Sysadmins will learn will learn to automate their favorite tools and processes; developers will pick up enough ops knowledge to build a robust and resilient AWS application infrastructure. Launch instances with EC2 or CloudFormation Securely deploy and manage your applications with AWS tools Learn to automate AWS configuration management with Python and Puppet Deploy applications with Auto Scaling and Elastic Load Balancing Explore approaches for deploying application and infrastructure updates Save time on development and operations with reusable components Learn strategies for managing log files in AWS environments Configure a cloud-aware DNS service with Route 53 Use AWS CloudWatch to monitor your infrastructure and applications

“I think we’re gonna need a bigger web server.” OpenBSD has a solid reputation for security and stability. It’s well known for the OpenSMTPd mail server, the LibreSSL cryptography library, and the PF packet filter. But nobody ever talks about the load balancer, or the web server. Until now. The httpd web server provides a fast, stable, secure environment for your web applications. The relayd load balancer lets you distribute Internet application load across multiple hosts. Between the two, you can slash hundreds of thousands of dollars off the cost of building, deploying, and managing applications. With Httpd and Relayd Mastery you’ll learn how to: · set up web sites · configure software to run in a chroot · run dozens or hundreds of sites on one host · dynamically reconfigure sites with Lua patterns · manage site logs · maintain free, globally-valid SSL certificates · improve performance with SSL stapling · install and maintain two-server clusters · distribute traffic between any number of hosts · stop worrying about old SSL versions and bad crypto algorithms Slash the amount of time you spend futzing with web servers. Get Httpd and Relayd Mastery today!

Pluggable Authentication Modules: Threat or Menace? PAM is one of the most misunderstood parts of systems administration. Many sysadmins live with authentication problems rather than risk making them worse. PAM’s very nature makes it unlike any other Unix access control system. If you have PAM misery or PAM mysteries, you need PAM Mastery! With PAM Mastery, you’ll understand: · the different versions of PAM · the intricacies of Linux-PAM and OpenPAM · how PAM policies make decisions · how to debug PAM · the most frequently seen PAM modules · Linux-PAM extended controls and substacks · time-based one-time passwords · using SSH keys for more than SSH · password quality testing · policies from CentOS, Debian, and FreeBSD · and more! Transform PAM from a headache to an ally with PAM Mastery.

Unleash the song of your soul with Zen Guitar, a contemplative handbook that draws on ancient Eastern wisdom and applies it to music and performance. Each of us carries a song inside us, the song that makes us human. Zen Guitar provides the key to unlocking this song—a series of life lessons presented through the metaphor of music. Philip Sudo offers his own experiences with music to enable us to rediscover the harmony in each of our lives and open ourselves to Zen awareness uniquely suited to the Western Mind. Through fifty-eight lessons that provide focus and a guide, the reader is led through to Zen awareness. This harmony is further illuminated through quotes from sources ranging from Eric Clapton and Jimi Hendrix to Miles Davis. From those who have never strummed a guitar to the more experienced, Zen Guitar shows how the path of music offers fulfillment in all aspects of life—a winning idea and an instant classic.

The Car Hacker's Handbook

Sudo Mastery

OpenSSH, PuTTY, Tunnels, and Keys

Relayd & Httpd Mastery

SSH Mastery

Effortless Mastery -- 20th Anniversary Edition

This introduction to networking on Linux now covers firewalls, including the use of ipchains and Netfilter, masquerading, and accounting. Other new topics in this second edition include Novell (NCP/IPX) support and INN (news administration).

Orchestrate the designing, development, testing, and deployment of web applications with Symfony About This Book Create a robust and reliable Symfony development pipeline using Amazon's cloud platform Cut development and maintenance costs by defining crystal clear features and possible scenarios for each feature before implementation Follow detailed examples provided in each chapter to create a task management application Who This Book Is For If you are a PHP developer with some experience in Symfony and are looking to master the framework and use it to its full potential, then this book is for you. Though experience with PHP, object-oriented techniques, and Symfony basics is assumed, this book will give you a crash course on the basics and then proceed to more advanced topics. What You Will Learn Install and configure Symfony and required third-party bundles to develop a task management application Set up a continuous integration server to orchestrate automatic builds every time you add a new feature to your project Reduce maintenance costs dramatically using Behaviour Driven Development (BDD) Create a slick user interface using the Bootstrap framework Design robust business logic using Doctrine Build a comprehensive dashboard and secure your project using the Sonata project Improve performance using Redis, Memcache, and Varnish Create customized Symfony commands and add them to your console In Detail In this book, you will learn some lesser known aspects of development with Symfony, and you will see how to use Symfony as a framework to create reliable and effective applications. You might have developed some

impressive PHP libraries in other projects, but what is the point when your library is tied to one particular project? With Symfony, you can turn your code into a service and reuse it in other projects. This book starts with Symfony concepts such as bundles, routing, twig, doctrine, and more, taking you through the request/response life cycle. You will then proceed to set up development, test, and deployment environments in AWS. Then you will create reliable projects using Behat and Mink, and design business logic, cover authentication, and authorization steps in a security checking process. You will be walked through concepts such as DependencyInjection, service containers, and services, and go through steps to create customized commands for Symfony's console. Finally, the book covers performance optimization and the use of Varnish and Memcached in our project, and you are treated with the creation of database agnostic bundles and best practices. Style and approach A step-by-step guide to mastering Symfony while developing a task management application. Each chapter comes with detailed examples. This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for AWS Certified Cloud Practitioner (CLF-C01) exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master AWS Certified Cloud Practitioner (CLF-C01) exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks AWS Certified Cloud Practitioner (CLF-C01) Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor Anthony Sequeira shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The study guide helps you master all the topics on the AWS Certified Cloud Practitioner exam, including how to: Define the AWS Cloud and its value proposition, and discuss its economics Define the AWS Shared Responsibility model, and key AWS security and compliance concepts Identify AWS access management capabilities Define methods of deploying the AWS Cloud and operating within Define the AWS global infrastructure and identify core AWS services Recognize and compare AWS pricing models and account structures Identify support resources for security, AWS cloud technology, and billing

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 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 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.

FreeBSD Mastery: Jails

Linux Network Administrator's Guide

FreeBSD Mastery: Specialty Filesystems

Ed Mastery (Manly McManface Edition)

An Introduction to Professional C Programming

A comprehensive guide to installing, configuring, and maintaining Linux systems in the modern data center

I'm glad someone's finally giving ed the attention it deserves. Ken Thompson, co-creator of Unix Let me be perfectly clear: ed is the standard Unix text editor. If you don't know ed, you're not a real sysadmin. Forty years after ed's introduction, internationally acclaimed author Michael W Lucas has finally unlocked the mysteries of ed for everyone. With Ed Mastery, you too can become a proper sysadmin. Ed Mastery will help you: · understand buffers and addresses · insert, remove, and mangle text · master file management and shell escapes · comprehend regular expressions, searches, and substitutions · create high-performance scripts for transforming files You must be at least this competent to use this computer. Read Ed Mastery today!

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Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 Jessie, builds on the success of its 6 previous editions. 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 installation to updating the system, creating packages and compiling the kernel, but also

monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info

Filesystems for everything! FreeBSD includes many special-purpose filesystems. *FreeBSD Mastery: Specialty Filesystems* takes you through these filesystems, helping you solve problems you didn't know you have. These filesystems underlie everything from application servers to jails. You'll learn to manage: -removable media -MSDOS and Linux filesystems -CD, DVD, and Blu-Ray disks -devfs -process filesystems -the file descriptor filesystem -the POSIX message queue filesystem -union mounts -null mounts -both memory filesystems, and when to use each -NFS versions 2, 3, and 4 -iSCSI targets and initiators -the Common Internet File System -networked disk redundancy with geom_gate and HAST -high availability storage with HAST and iSCSI -NFSv4 Access Control Lists -User Space Filesystems -FreeBSD's Solaris-compatible automounter System administrators of any expertise level will expand their FreeBSD mastery with *FreeBSD Mastery: Specialty Filesystems*.

Designing Connected, Pervasive, Media-rich Systems

SNMP Mastery

Networking for Systems Administrators

CPanel User Guide and Tutorial

A Guide for the Penetration Tester

Effective C

Modern embedded systems are used for connected, media-rich, and highly integrated handheld devices such as mobile phones, digital cameras, and MP3 players. All of these embedded systems require networking, graphic user interfaces, and integration with PCs, as opposed to traditional embedded processors that can perform only limited functions for industrial applications. While most books focus on these controllers, *Modern Embedded Computing* provides a thorough understanding of the platform architecture of modern embedded computing systems that drive mobile devices. The book offers a comprehensive view of developing a framework for embedded systems-on-chips. Examples feature the Intel Atom processor, which is used in high-end mobile devices such as e-readers, Internet-enabled TVs, tablets, and net books. Beginning with a discussion of embedded platform architecture and Intel Atom-specific architecture, modular chapters cover system boot-up, operating systems, power optimization, graphics and multi-media, connectivity, and platform tuning. Companion lab materials compliment the chapters, offering hands-on embedded design experience. Learn embedded systems design with the Intel Atom Processor, based on the dominant PC chip architecture. Examples use Atom and offer comparisons to other platforms Design embedded processors for systems that support gaming, in-vehicle infotainment, medical records retrieval, point-of-sale purchasing, networking, digital storage, and many more retail, consumer and industrial applications Explore companion lab materials online that offer hands-on embedded design experience

Mastering Sublime Text is an easy-to-understand, step-by-step guide for learning all of the features of Sublime Text, including author tips and tricks. Every topic includes code examples and highlighted screenshots to make it easier to understand. This book is for developers with experience in any type of programming language, and for those who want to start using Sublime Text or perfect their existing skills. No knowledge of Sublime Text or any other code editor or IDE is expected.

Develop advanced skills for working with Linux systems on-premises and in the cloud Key FeaturesBecome proficient in everyday Linux administration tasks by mastering the Linux command line and using automationWork with the Linux filesystem, packages, users, processes, and daemonsDeploy Linux to the cloud with AWS, Azure, and KubernetesBook 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 learnUnderstand how Linux works and learn basic to advanced Linux administration skillsExplore the most widely used commands for managing the Linux filesystem, network, security, and moreGet to grips with different networking and messaging protocolsFind out how Linux security works and how to configure SELinux, AppArmor, and Linux iptablesWork with virtual machines and containers and understand container orchestration with KubernetesWork with containerized workflows using Docker and KubernetesAutomate your configuration management workloads with AnsibleWho 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.

Get up to speed on Git for tracking, branching, merging, and managing code revisions. Through a series of step-by-step tutorials, this practical guide takes you quickly from Git fundamentals to advanced techniques, and provides friendly yet rigorous advice for navigating the many functions of this open source version control system. This thoroughly revised edition also includes tips for manipulating trees, extended coverage of the reflog and stash, and a complete introduction to the GitHub repository. Git lets you manage code development in a virtually endless variety of ways, once you understand how to harness the system's flexibility. This book shows you how. Learn how to use Git for several real-world development scenarios Gain insight into Git's common-use cases, initial tasks, and basic functions Use the system for both centralized and distributed version control Learn how to manage merges, conflicts, patches, and diffs Apply advanced techniques such as rebasing, hooks, and ways to handle submodules Interact with Subversion (SVN) repositories—including SVN to Git conversions Navigate, use, and contribute to open source projects though GitHub

Modern Embedded Computing

Advanced Bash Scripting Guide
Debian Jessie From Discovery To Mastery
Learning MySQL
Absolute FreeBSD, 2nd Edition
Hacking- The art Of Exploitation

With 28 new chapters, the third edition of The Practice of System and Network Administration innovates yet again! Revised with thousands of updates and clarifications based on the second edition also incorporates DevOps strategies even for non-DevOps environments. Whether you use Linux, Unix, or Windows, this new edition describes the essential practices previously learned from mentor to protégé. This wonderfully lucid, often funny cornucopia of information introduces beginners to advanced frameworks valuable for their entire career, yet is structured through difficult projects. Other books tell you what commands to type. This book teaches you the cross-platform strategies that are timeless! DevOps techniques: Apply DevOps practices to infrastructure, even in environments without developers Game-changing strategies: New ways to deliver results faster with less stress Fleet management: A comprehensive guide to managing desktops, laptops, servers and mobile devices Service management: How to design, launch, upgrade and migrate services Measurable improvement: Assess your operational effectiveness with a free assessment system you can start using today to raise the quality of all services Design guides: Best practices for networks, data centers, email, storage, monitoring, backups and more Skills: Organization design, communication, negotiation, ethics, hiring and firing, and more Have you ever had any of these problems? Have you been surprised to discover your backup is corrupt? Ever spent a year launching a new service only to be told the users hate it? Do you have more incoming support requests than you can handle? Do you spend more time fixing problems than doing the next awesome thing? Have you suffered from a botched migration of thousands of users to a new service? Does your company rely on a computer that, if it died, can't be rebuilt? Does your system mess that breaks any time you try to improve it? Is there a periodic "hell month" that happens twice a year? Twelve times a year? Do you find out about problems when your users complain? Does your corporate "Change Review Board" terrify you? Does each division of your company have their own broken way of doing things? Do you fear that automation will replace you? More than it fixes? Are you underpaid and overworked? No vague "management speak" or empty platitudes. This comprehensive guide provides real solutions that prevent these problems from recurring. Sudo: You're Doing It Wrong Unix-like operating systems use a rudimentary access control system: the root account can do anything, while other users are peasants with only minimal permissions. It's fine in UNIX's youth, but now that sysadmin responsibilities are spread among many people and applications, many people need a tiny slice of root's power. Sudo lets you divide root's power between the people who need it with accountability and auditability. Sudo Mastery will teach you to: design a secure sudo policy simplify policies with lists and aliases manage sudo policies to protect system integrity via intrusion detection deploy a single sudo policy across your enterprise manage sudo policies via LDAP log and debug sudo record and replay full sudo sessions use sudo for anything other than passwords Master sudo with Sudo Mastery!

21st-Century Data Storage ZFS, the fast, flexible, self-healing filesystem, revolutionized data storage. Leveraging ZFS changes everything about managing FreeBSD systems. With FreeBSD Mastery: ZFS you'll learn to: -understand how your hardware affects ZFS -arrange your storage for optimal performance -configure datasets that match your enterprise's needs -repair and monitor ZFS -expand your storage -use compression to enhance performance -determine if deduplication is right for your data -understand how copy-on-write changes everything -snapshot files and directories -rotate snapshots -clone filesystems -understand how ZFS uses and manages space -do custom FreeBSD ZFS installs Whether you're a long-term FreeBSD administrator or a new user, FreeBSD Mastery: ZFS will help you simplify storage. Master ZFS with FreeBSD Mastery: ZFS.

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. However, these 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 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. 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, 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: -Identify the 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 systems -Feed exploits through infotainment and vehicle-to-vehicle communication systems -Override factory settings with performance-tuning techniques -Build physical and virtual test environments -Run 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.

FreeBSD Mastery: ZFS

2nd Edition

The Practice of System and Network Administration
The Debian Administrator's Handbook, Debian Jessie from Discovery to Mastery
Pam Mastery
A Complete Introduction

OpenBSD, the elegant, highly secure Unix-like operating system, is widely used as the basis for critical DNS servers, routers, firewalls, and more. This long-awaited second edition of Absolute OpenBSD maintains author Michael Lucas's trademark straightforward and practical approach that readers have enjoyed for years. You'll learn the intricacies of the platform, the technical details behind certain design decisions, and best practices, with bits of humor sprinkled throughout. This edition has been completely updated for OpenBSD 5.3, including new coverage of OpenBSD's boot system, security features like W^X and ProPolice, and advanced networking techniques. You'll learn how to: -Manage network traffic with VLANs, trunks, IPv6, and the PF packet filter -Make software management quick and

effective using the ports and packages system –Give users only the access they need with groups, sudo, and chroots –Configure OpenBSD's secure implementations of SNMP, DHCP, NTP, hardware sensors, and more –Customize the installation and upgrade processes for your network and hardware, or build a custom OpenBSD release Whether you're a new user looking for a complete introduction to OpenBSD or an experienced sysadmin looking for a refresher, Absolute OpenBSD, 2nd Edition will give you everything you need to master the intricacies of the world's most secure operating system.

CONFINE YOUR SOFTWARE Jails are FreeBSD's most legendary feature: known to be powerful, tricky to master, and cloaked in decades of dubious lore. Deploying jails calls upon every sysadmin skill you have, and more—but unleashing lightweight virtualization is so worth it. FreeBSD Mastery: Jails cuts through the clutter to expose the inner mechanisms of jails and unleash their power in your service. You will:

- Understand how jails achieve lightweight virtualization*
- Understand the base system's jail tools and the iocage toolkit*
- Optimally configure jail hardware*
- Manage jails from the host and from within the jail*
- Optimize disk space usage to support hundreds or thousands of jails*
- Comfortably work within the limits of jails*
- Implement fine-grained control of jail features*
- Build virtual networks*
- Deploy hierarchical jails*
- Constrain jail resource usage*

And more! Strip away the mystery. Read FreeBSD Mastery: Jails today! "This is the sequel to Git Commit Murder, right?" /phk, creator of the jail system Secure Shell (SSH) lets systems administrators securely manage remote systems. But most people only use the bare minimum SSH offers. Used properly, SSH simplifies your job. This book saves you from sifting a decade of obsolete online tutorials and quickly gets you running: SSH with the OpenSSH server and the PuTTY and OpenSSH clients. You will: Eliminate passwords. Manage access to your SSH server by users, groups, addresses, and more Securely move files around your network Forward graphic displays from one host to another Forward TCP connections Centrally manage host keys and client configurations Use SSH as a secure transport for other applications Secure applications run over SSH Build Virtual Private Networks with OpenSSH And more! This book simplifies the work of anyone using SSH. Small enough to read and implement quickly, exhaustive enough to include everything most of us need plus a little more. Master SSH with SSH Mastery

Sudo: You're Doing It Wrong Unix-like operating systems use a rudimentary access control system: the root account can do anything, while other users are peasants with only minimal access. This worked fine in UNIX's youth, but now that sysadmin responsibilities are spread among many people and applications, many people need a tiny slice of root's power. Sudo lets you divide root's monolithic power between the people who need it with accountability and auditability. Sudo Mastery will teach you to:

- design a secure sudo policy*
- simplify policies with lists and aliases*
- manage shell environments*
- verify system integrity via intrusion detection*
- deploy a single sudo policy across your enterprise*
- manage sudo policies via LDAP*
- log and debug sudo*
- record and replay full sudo sessions*
- use authentication systems other than passwords Master sudo with Sudo Mastery!*

The Debian Administrator's Handbook

Eh

Best Practices for Sysadmins in the Amazon Cloud

Unix for the Practical Paranoid

Absolute OpenBSD, 2nd Edition

AWS System Administration

The best-selling text on SSH, newly revised and updated! Secure Shell (SSH) lets sysadmins securely manage remote systems. It's powerful, complicated, and confusing. Lose the confusion. SSH Mastery: OpenSSH, PuTTY, Tunnels and Keys rescues you from sifting through decades of obsolete online tutorials and quickly makes you an SSH journeyman. You'll learn to

- eliminate passwords*
- manage access by users, groups, addresses, and more*
- securely move files around your network*
- forward graphic displays*
- proxy TCP connections*
- build SOCKS proxies*
- centrally manage and distribute keys and configurations*
- use SSH as secure transport for other applications*
- build virtual private networks*
- create Certificate Authorities for truly large scale deployment Master Secure Shell with SSH Mastery! #ssh2e*

This special limited edition celebrates the 20th anniversary of the profound text that inspired thousands of musicians to reach that place in their music where performance became as effortless as drawing a breath. The beautiful foil-embossed cover, added chapters and articles, and foreword and testimonials by Herb Alpert, Quincy Jones, and others make this edition a timeless collectible to be displayed and treasured for a lifetime.

"Get the most from cPanel with this easy to follow guide."--Resource description p.

This updated edition of Michael W. Lucas' definitive volume on FreeBSD-based systems adds coverage of modern disks, the ZFS filesystem IPv6, redesigned jail and packaging systems, and virtualization, among dozens of new features added in the last 10 years. FreeBSD is the muscle behind companies like Netflix and EMC. Any place where someone does heavy lifting on the Internet, you'll find FreeBSD. This newly revised edition of Absolute FreeBSD brings FreeBSD's strengths to bear on your problems and covers FreeBSD's newest features, all in the inimitable style that has made author Michael W. Lucas' system administration books so popular. Any computer system is only as good as the system administrator's knowledge. Absolute FreeBSD teaches you everything you need to know about managing FreeBSD systems, from installation, configuration, and taking the system from "just working" to "working well." A cohesive focus on service delivery and best practice means that you can apply much of the book to other operating systems. Absolute FreeBSD dives deep into server management, taking you beyond just making things work and into understanding why they work. You'll learn:

- How to best install FreeBSD to meet your needs*
- Which filesystem to use in your environment*
- How to back up and restore critical data*
- How to tweak the kernel, and when not to*
- Network configuration, from activating interfaces to selecting congestion control algorithms*
- How to manage UFS, ZFS, and other critical filesystems*
- FreeBSD's software packaging system, including how to build your own package repository*
- How and when to upgrade*
- Techniques to build your own FreeBSD*
- Advanced security features like blacklistd and packet filtering*
- How to monitor and adjust performance*
- Container-style virtualization with jails*
- Diskless systems*
- Panic management and bug reporting*

With Absolute FreeBSD you will get the solid introduction you need; and if you're a fan of the earlier editions, you will expand your skills even further.

Absolute FreeBSD, 3rd Edition

Android Hacker's Handbook

Mastering Python

OpenSSH, PuTTY, Tunnels and Keys

Mastering Sublime Text

Liberating the Master Musician Within, Hardcover Book and CD

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"

SNMP is one of those system management skills that people acquire by experience, stumbling through one horrid implementation after another. SNMP Mastery is your guide to the secret landscape of one of computing's most mysterious tools. Stop stumbling through the SNMP minefield. Read SNMP Mastery today!

Master the art of writing beautiful and powerful Python by using all of the features that Python 3.5 offers About This Book Become familiar with the most important and advanced parts of the Python code style Learn the trickier aspects of Python and put it in a structured context for deeper understanding of the language Offers an expert's-eye overview of how these advanced tasks fit together in Python as a whole along with practical examples Who This Book Is For Almost anyone can learn to write working script and create high quality code but they might lack a structured understanding of what it means to be 'Pythonic'. If you are a Python programmer who wants to code efficiently by getting the syntax and usage of a few intricate Python techniques exactly right, this book is for you. What You Will Learn Create a virtualenv and start a new project Understand how and when to use the functional programming paradigm Get familiar with the different ways the decorators can be written in Understand the power of generators and coroutines without digressing into lambda calculus Create metaclasses and how it makes working with Python far easier Generate HTML documentation out of documents and code using Sphinx Learn how to track and optimize application performance, both memory and cpu Use the multiprocessing library, not just locally but also across multiple machines Get a basic understanding of packaging and creating your own libraries/applications In Detail Python is a dynamic programming language. It is known for its high readability and hence it is often the first language learned by new programmers. Python being multi-paradigm, it can be used to achieve the same thing in different ways and it is compatible across different platforms. Even if you find writing Python code easy, writing code that is efficient, easy to maintain, and reuse is not so straightforward. This book is an authoritative guide that will help you learn new advanced methods in a clear and contextualised way. It starts off by creating a project-specific environment using venv, introducing you to different Pythonic syntax and common pitfalls before moving on to cover the functional features in Python. It covers how to create different decorators, generators, and metaclasses. It also introduces you to functools.wraps and coroutines and how they work. Later on you will learn to use asyncio module for asynchronous clients and servers. You will also get familiar with different testing systems such as py.test, doctest, and unittest, and debugging tools such as Python debugger and fault handler. You will learn to optimize application performance so that it works efficiently across multiple machines and Python versions. Finally, it will teach you how to access C functions with a simple Python call. By the end of the book, you will be able to write more advanced scripts and take on bigger challenges. Style and Approach This book is a comprehensive guide that covers advanced features of the Python language, and communicate them with an authoritative understanding of the underlying rationale for how, when, and why to use them.

Presents instructions on using MySQL, covering such topics as installation, querying, user management, security, and backups and recovery.

Zen Guitar

Security Testing, Penetration Testing, and Ethical Hacking

The Linux Command Line

Ed Mastery

Version Control with Git

Volume 1: DevOps and other Best Practices for Enterprise IT

Stop waiting for the network team! If basic TCP/IP was hard, network administrators couldn't do it. Servers give sysadmins an incredible visibility into the network—once they know how to unlock it. Most sysadmins don't need to understand window scaling, or the differences between IPv4 and IPv6 echo requests, or other intricacies of the TCP/IP protocols. You need only enough to deploy your own applications and get easy support from the network team. This book teaches you: ¿ How modern networks really work ¿ The essentials of TCP/IP ¿ The next-generation protocol, IPv6 ¿ The right tools to diagnose network problems, and how to use them ¿ Troubleshooting everything from the physical wire to DNS ¿ How to see the traffic you send and receive ¿ Connectivity testing ¿ How to communicate with your network team to quickly resolve problems A systems administrator doesn't need to know the innards of TCP/IP, but knowing enough to diagnose your own network issues will transform a good sysadmin into a great

one. Fungi are among the most networked creatures in the world. If a mushroom can do it, so can you!

This text introduces the spirit and theory of hacking as well as the science behind it all; it also provides some core techniques and tricks of hacking so you can think like a hacker, write your own hacks or thwart potential system attacks.

A detailed introduction to the C programming language for experienced programmers. The world runs on code written in the C programming language, yet most schools begin the curriculum with Python or Java. Effective C bridges this gap and brings C into the modern era—covering the modern C17 Standard as well as potential C2x features. With the aid of this instant classic, you'll soon be writing professional, portable, and secure C programs to power robust systems and solve real-world problems. Robert C. Seacord introduces C and the C Standard Library while addressing best practices, common errors, and open debates in the C community. Developed together with other C Standards committee experts, Effective C will teach you how to debug, test, and analyze C programs. You'll benefit from Seacord's concise explanations of C language constructs and behaviors, and from his 40 years of coding experience. You'll learn:

- How to identify and handle undefined behavior in a C program
- The range and representations of integers and floating-point values
- How dynamic memory allocation works and how to use nonstandard functions
- How to use character encodings and types
- How to perform I/O with terminals and filesystems using C Standard streams and POSIX file descriptors
- How to understand the C compiler's translation phases and the role of the preprocessor
- How to test, debug, and analyze C programs

Effective C will teach you how to write professional, secure, and portable C code that will stand the test of time and help strengthen the foundation of the computing world.

FreeBSD—the powerful, flexible, and free Unix-like operating system—is the preferred server for many enterprises. But it can be even trickier to use than either Unix or Linux, and harder still to master.

Absolute FreeBSD, 2nd Edition is your complete guide to FreeBSD, written by FreeBSD committer Michael W. Lucas. Lucas considers this completely revised and rewritten second edition of his landmark work to be his best work ever; a true product of his love for FreeBSD and the support of the FreeBSD community. Absolute FreeBSD, 2nd Edition covers installation, networking, security, network services, system performance, kernel tweaking, filesystems, SMP, upgrading, crash debugging, and much more, including coverage of how to:

- Use advanced security features like packet filtering, virtual machines, and host-based intrusion detection
- Build custom live FreeBSD CDs and bootable flash
- Manage network services and filesystems
- Use DNS and set up email, IMAP, web, and FTP services for both servers and clients
- Monitor your system with performance-testing and troubleshooting tools
- Run diskless systems
- Manage schedulers, remap shared libraries, and optimize your system for your hardware and your workload
- Build custom network appliances with embedded FreeBSD
- Implement redundant disks, even without special hardware
- Integrate FreeBSD-specific SNMP into your network management system.

Whether you're just getting started with FreeBSD or you've been using it for years, you'll find this book to be the definitive guide to FreeBSD that you've been waiting for.

Learning Kali Linux

Powerful tools and techniques for collaborative software development

PAM Mastery

AWS Certified Cloud Practitioner (CLF-C01) Cert Guide

Mastering Symfony

The Complete Guide to FreeBSD

Pluggable Authentication Modules: Threat or Menace? PAM is one of the most misunderstood parts of systems administration. Many sysadmins live with authentication problems rather than risk making them worse. PAM's very nature makes it unlike any other Unix access control system. If you have PAM misery or PAM mysteries, you need PAM Mastery! With PAM Mastery, you'll understand: the different versions of PAM the intricacies of Linux-PAM and OpenPAM how PAM policies make decisions how to debug PAM the most frequently seen PAM modules Linux-PAM extended controls and substacks time-based one-time passwords using SSH keys for more than SSH password quality testing policies from CentOS, Debian, and FreeBSD and more! Transform PAM from a headache to an ally with PAM Mastery

With more than 600 security tools in its arsenal, the Kali Linux distribution can be overwhelming. Experienced and aspiring security professionals alike may find it challenging to select the most appropriate tool for conducting a given test. This practical book covers Kali's expansive security capabilities and helps you identify the tools you need to conduct a wide range of security tests and penetration tests. You'll also explore the vulnerabilities that make those tests necessary. Author Ric Messier takes you through the foundations of Kali Linux and explains methods for conducting tests on networks, web applications, wireless security, password vulnerability, and more. You'll discover different techniques for extending Kali tools and creating your own toolset. Learn tools for stress testing network stacks and applications Perform network reconnaissance to determine what's available to attackers Execute penetration tests using automated exploit tools such as Metasploit Use cracking tools to see if passwords meet complexity requirements Test wireless capabilities by injecting frames and cracking passwords Assess web application vulnerabilities with automated or proxy-based tools Create advanced attack techniques by extending Kali tools or developing your own Use Kali Linux to generate reports once testing is complete

Mastering Linux Administration

The Standard Unix Text Editor