Pluggable Authentication Modules The Definitive Guide To Pam For Linux Sysadmins And C Developers Geisshirt Kenneth

A True Textbook for an Introductory Course, System Administration Course, or a Combination Course Linux with Operating System Concepts, Second Edition merges conceptual operating system (OS) and Unix/Linux topics into one cohesive textbook for undergraduate students. The book can be used for a one- or two-semester course on Linux or Unix. It is complete with review sections, problems, definitions, concepts and relevant introductory material, such as binary and Boolean logic, OS kernels and the role of the CPU and memory hierarchy. Details for Introductory and Advanced Users The book covers Linux from both the user and system administrator positions. From a user perspective, it emphasizes command-line interaction. From a system administrator perspective, the text reinforces shell scripting with examples of administration scripts that support the automation of administrator tasks. Thorough Coverage of Concepts and Linux Commands The author incorporates OS concepts not found in most Linux/Unix textbooks, including kernels, file systems, storage devices, virtual memory and process management. He also introduces computer science topics, such as computer networks and TCP/IP, interpreters versus compilers, file compression, file system integrity through backups, RAID and encryption technologies, booting and the GNUs C compiler. New in this Edition The book has been updated to systemd Linux and the newer services like Cockpit, NetworkManager, firewalld and journald. This edition explores Linux beyond CentOS/Red Hat by adding detail on Debian distributions. Content across most topics has been updated and improved.

Kerberos, the single sign-on authentication system originally developed at MIT, deserves its name. It's a faithful watchdog that keeps intruders out of your networks. But it has been equally fierce to system administrators, for whom the complexity of Kerberos is legendary.Single sign-on is the holy grail of network administration, and Kerberos is the only game in town. Microsoft, by integrating Kerberos into Active Directory in Windows 2000 and 2003, has extended the reach of Kerberos to all networks large or small. Kerberos makes your network more secure and more convenient for users by providing a single authentication system that works across the entire network. One username; one password; one login is all you need.Fortunately, help for administrators is on the way. Kerberos: The Definitive Guide shows you how to implement Kerberos for secure authentication. In addition to covering the basic principles behind cryptographic authentication, it covers everything from basic installation to advanced topics like cross-realm authentication, defending against attacks on Kerberos, and troubleshooting.In addition to covering Microsoft's Active Directory implementation, Kerberos: The Definitive Guide covers both major implementations of Kerberos for Unix and Linux: MIT and Heimdal. It shows you how to set up Mac OS X as a Kerberos client. The book also covers both versions of the Kerberos protocol that are still in use: Kerberos 4 (now obsolete) and Kerberos 5, paying special attention to the integration between the different protocols, and between Unix and Windows implementations.If you've been avoiding Kerberos because it's confusing and poorly documented, it's time to get on board! This book shows you how to put Kerberos authentication to work on your Windows and Unix systems.

Be more productive and make your life easier. That's what LDAP System Administration is all about.System administrators often spend a great deal of time managing configuration information located on many different machines: usernames, passwords, printer configurations, email client configurations, and network filesystem configurations, to name a few. LDAPv3 provides tools for centralizing all of the configuration information and placing it under your control. Rather than maintaining several administrative databases (NIS, Active Directory,

Samba, and NFS configuration files), you can make changes in only one place and have all your systems immediately "see" the updated information.Practically platform independent, this book uses the widely available, open source OpenLDAP 2 directory server as a premise for examples, showing you how to use it to help you manage your configuration information effectively and securely. OpenLDAP 2 ships with most Linux® distributions and Mac OS® X, and can be easily downloaded for most Unix-based systems. After introducing the workings of a directory service and the LDAP protocol, all aspects of building and installing OpenLDAP, plus key ancillary packages like SASL and OpenSSL, this book discusses: Configuration and access control Distributed directories; replication and referral Using OpenLDAP to replace NIS Using OpenLDAP to manage email configurations Using LDAP for abstraction with FTP and HTTP servers, Samba, and Radius Interoperating with different LDAP servers, including Active Directory Programming using Net::LDAP If you want to be a master of your domain, LDAP System Administration will help you get up and running quickly regardless of which LDAP version you use. After reading this book, even with no previous LDAP experience, you'll be able to integrate a directory server into essential network services such as mail, DNS, HTTP, and SMB/CIFS.

The Definitive Guide to SUSE Linux Enterprise Server 12 is a task-oriented book designed for self-study as well as classroom environments, which will also serve you as a reference guide. The book covers all skills that system administrators typically need to posses to administer SUSE Linux Enterprise Server in corporate environments. It starts at the beginning, which makes The Definitive Guide to SUSE Linux Enterprise Server 12 suitable for people without any preliminary Linux knowledge, and yet works up to advanced SUSE Linux administration tasks, such as building a cluster, optimizing performance or managing SUSE Linux Enterprise Server with SUSE Manager. The Definitive Guide to SUSE Linux Enterprise Server 12 is an ideal reference guide for system administrators, but is also perfect as a study book to prepare for the CLA, CLP as well as the CLE exams. This book contains step-by-step exercises, and scenario based exercises at the end of each chapter to help readers getting familiar with the subjects that are required to pass these three exams. The Definitive Guide to SUSE Linux Enterprise Server 12also contains test exams, so you can use it as a study guide in a formal learning environment or as a book that you can learn and test your own progress as you master SUSE Linux Enterprise Server. You'll learn everything you need to know and the skills you need to manage SUSE Linux Enterprise Servers, from installing a secure server, to performing the day-to-day management tasks on SUSE Linux Enterprise Server. Along the way you'll encounter and master SUSE Linux Enterprise Server in a data center environment, how to manage your SUSE Enterprise Server for High Availability, and you'll see how to manage your SUSE Linux Enterprise Server with SUSE Manager. From installation to expert management, The Definitive Guide to SUSE Linux Enterprise Server 12 will show you the ways to succeed with Linux Enterprise Server 12.

* Clear and abundant examples, using real-world code, written by three experienced developers who write networking code for a living. * Describes how to build clients and servers, explains how TCP, UDP, and IP work, and shows how to debug networking applications via packet sniffing and deconstruction. * Well suited for Windows developer looking to expand to Linux, or for the proficient Linux developer looking to incorporate client-server programming into their application.

"First this book explains how Pluggable Authentication Modules (PAM) simplify and standardize authentication in Linux. It shows in detail how PAM works and how it is configured. Then 11 common modules used across UNIX/Linux distributions are examined and explained, including all their parameters. Installation of third-party modules is discussed, and the development of new modules and PAM-aware applications is outlined"--Resource description p.

As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain.The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start.This updated edition covers everything you'll ever need to know about wireless technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Describes the history of the Web server platform and covers downloading and compiling, configuring and running the program on UNIX, writing specialized modules, and establishing security routines.

Design a complete Voice over IP (VoIP) or traditional PBX system with Asterisk, even if you have only basic telecommunications knowledge. This bestselling guide makes it easy, with a detailed roadmap that shows you how to install and configure this open source software, whether you're upgrading your existing phone system or starting from scratch. Ideal for Linux administrators, developers, and power users, this updated edition shows you how to write a basic dialplan step-by-step, and brings you up to speed on the features in Asterisk 11, the latest long-term support release from Digium. You'll quickly gain working knowledge to build a simple yet inclusive system. Integrate Asterisk with analog, VoIP, and digital telephony systems Build an interactive dialplan, using best practices for more advanced features Delve into voicemail options, such as storing messages in a database Connect to external services including Google Talk, XMPP, and calendars Incorporate Asterisk features and functions into a relational database to facilitate information sharing Learn how to use Asterisk's security, call routing, and faxing features Monitor and control your system with the Asterisk Manager Interface (AMI) Plan for expansion by learning tools for building distributed systems

Are you serious about network security? Then check out SSH, the Secure Shell, which provides key-based authentication and transparent encryption for your network connections. It's reliable, robust, and reasonably easy to use, and both free and commercial implementations are widely available for most operating systems. While it doesn't solve every privacy and security problem, SSH

eliminates several of them very effectively. Everything you want to know about SSH is in our second edition of SSH, The Secure Shell: The Definitive Guide. This updated book thoroughly covers the latest SSH-2 protocol for system administrators and end users interested in using this increasingly popular TCP/IP-based solution. How does it work? Whenever data is sent to the network, SSH automatically encrypts it. When data reaches its intended recipient, SSH decrypts it. The result is "transparent" encryption-users can work normally, unaware that their communications are already encrypted. SSH supports secure file transfer between computers, secure remote logins, and a unique "tunneling" capability that adds encryption to otherwise insecure network applications. With SSH, users can freely navigate the Internet, and system administrators can secure their networks or perform remote administration. Written for a wide, technical audience, SSH, The Secure Shell: The Definitive Guide covers several implementations of SSH for different operating systems and computing environments. Whether you're an individual running Linux machines at home, a corporate network administrator with thousands of users, or a PC/Mac owner who just wants a secure way to telnet or transfer files between machines, our indispensable guide has you covered. It starts with simple installation and use of SSH, and works its way to in-depth case studies on large, sensitive computer networks. No matter where or how you're shipping information, SSH, The Secure Shell: The Definitive Guide will show you how to do it securely.

CentOS is just like Red Hat, but without the price tag and with the virtuous license. When belts have to be tightened, we want to read about an OS with all the features of a commercial Linux variety, but without the pain. The Definitive Guide to CentOS is the first definitive reference for CentOS and focuses on CentOS alone, the workhorse Linux distribution, that does the heavy lifting in small and medium-size enterprises without drawing too much attention to itself. Provides tutorial and hands-on learning but is also designed to be used as a reference Bases all examples on real-world tasks that readers are likely to perform Serves up hard-won examples and hints and tips from the author's experiences of CentOS in production

Gives an extensive overview of Perl language and its syntax and is a complete refernce for all Perl functions, operators and standard library modules. Provides an explanation of Perl references and complex data structures and a detailed account of Perl's object oriented features. Department.

Are you serious about network security? Then check out SSH, the Secure Shell, which provides key-based authentication and transparent encryption for your network connections. It's reliable, robust, and reasonably easy to use, and both free and commercial implementations are widely available for most operating systems. While it doesn't solve every privacy and security problem, SSH eliminates several of them very effectively.Everything you want to know about SSH is in our second edition of SSH, The Secure Shell: The Definitive Guide. This updated book thoroughly covers the latest SSH-2 protocol for system

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Squid is the most popular Web caching software in use today, and it works on a variety of platforms including Linux, FreeBSD, and Windows. Squid improves network performance by reducing the amount of bandwidth used when surfing the Web. It makes web pages load faster and can even reduce the load on your web server. By caching and reusing popular web content, Squid allows you to get by with smaller network connections. It also protects the host on your internal network by acting as a firewall and proxying your internal web traffic. You can use Squid to collect statistics about the traffic on your network, prevent users from visiting inappropriate web sites at work or school, ensure that only authorized users can surf the Internet, and enhance your privacy by filtering sensitive information from web requests. Companies, schools, libraries, and organizations that use web-caching proxies can look forward to a multitude of benefits.Written by Duane Wessels, the creator of Squid, Squid: The Definitive Guide will help you configure and tune Squid for your particular situation. Newcomers to Squid will learn how to download, compile, and install code. Seasoned users of Squid will be interested in the later chapters, which tackle advanced topics such as high-performance storage options, rewriting requests, HTTP server acceleration, monitoring, debugging, and troubleshooting Squid.Topics covered include: Compiling and installing Squid Running Squid Using Squid's sophisticated access controls Tuning disk storage for optimal performance Configuring your operating system for HTTP interception Forwarding Requests to other web caches Using redirectors to rewrite user requests Monitoring Squid with the cache manager and SNMP Using Squid to accelerate and protect HTTP servers Managing bandwidth consumption with Delay Pools

The definitive guide to hacking the world of the Internet of Things (IoT) -- Internet connected devices such as medical devices, home assistants, smart home appliances and more. Drawing from the real-life exploits of five highly regarded IoT security researchers, Practical IoT Hacking teaches you how to test IoT systems, devices, and protocols to mitigate risk. The book begins by walking you through common threats and a threat modeling framework. You'll develop a security testing methodology, discover the art of passive reconnaissance, and assess security on all layers of an IoT system. Next, you'll perform VLAN hopping, crack MQTT authentication, abuse UPnP, develop an mDNS poisoner, and craft WS-Discovery attacks. You'll tackle both hardware hacking and radio hacking, with in-depth coverage of attacks against embedded IoT devices and RFID systems. You'll also learn how to: • Write a DICOM service scanner as an NSE module • Hack a microcontroller through the UART and SWD interfaces • Reverse engineer firmware and analyze mobile companion apps • Develop an NFC fuzzer using Proxmark3 • Hack a smart home by jamming wireless alarms, playing back IP camera feeds, and controlling a smart treadmill The tools and devices you'll use are affordable and readily available, so you can easily practice what you learn. Whether you're a security researcher, IT team member, or hacking hobbyist, you'll find Practical IoT Hacking indispensable in your efforts to hack all the things REQUIREMENTS: Basic knowledge of Linux command line, TCP/IP, and programming

Cyberwarfare refers to politically motivated hacking to conduct sabotage and espionage. It is a form of information warfare sometimes seen as analogous to conventional warfare although this analogy is controversial for both its accuracy and its political motivation. Cyber security standards are security standards which enable organizations to practice safe security techniques to minimize the number of successful cyber security attacks. This book is your ultimate resource for Cybersecurity. Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Cybersecurity right away, covering: Cyber security standards, Hacker (term), 2007 cyberattacks on Estonia, 2010 cyberattacks on Myanmar, Camfecting, Chinese intelligence operations in the United States, Comprehensive National Cybersecurity Initiative, Computer insecurity, Cyber Operations, Cyber spying, Cyber-security regulation, Cyberattacks during the 2008 South Ossetia war, Cyberstrategy 3.0, Cyberterrorism, Cyberwarfare, Cyberwarfare in the United States, Denial-of-service attack, Echelon (signals intelligence), Electronic warfare, Endgame systems, Espionage, Firewall (computing), Fleet Electronic Warfare Center, GhostNet, Industrial espionage, Information warfare, Internet censorship in the People's Republic of China, Intervasion of the UK, IWar, July 2009 cyber attacks, Kuberkaitseliit, List of cyber attack threat trends, Military-digital complex, National Cyber Security Division, National Cybersecurity Center, Political repression of cyber-dissidents, Proactive Cyber Defence, Signals

intelligence, Stars virus, Stuxnet, TCP reset attack, W3af, WarVOX, Web brigades, Wireless signal jammer, AFSSI-5020, BLACKER, BS 7799, Common Criteria, CTCPEC, Datacenter star audit, FIPS 140, FIPS 140-2, FIPS 140-3, IEEE 802.10, ISO 15292, ISO 27799, ISO/IEC 27002, ITSEC, Pluggable Authentication Modules, Rainbow Series, Standard of Good Practice, Trusted Computer System Evaluation Criteria, Computer security, Portal: Computer security, 2009 Sidekick data loss, AAFID, Absolute Manage, Accelops, Acceptable use policy, Access token, Advanced Persistent Threat, Air gap (networking), Ambient authority, Anomaly-based intrusion detection system, Application firewall, Application security, Asset (computer security), Attack (computer), AutoRun, Blacklist (computing), Blue Cube Security, BlueHat, Centurion guard, Client honeypot, Cloud computing security, Collaboration-oriented architecture, Committee on National Security Systems, Computer Law and Security Report, Computer security compromised by hardware failure, Computer security incident management, Computer security model, Computer surveillance, Confused deputy problem, Countermeasure (computer), CPU modes, Crackme, Cross-site printing, CryptoRights Foundation, CVSS, Control system security, Cyber Storm Exercise, Cyber Storm II, Cyberheist, Dancing pigs, Data breach, Data loss prevention software, Data validation, Digital self-defense, Dolev-Yao model, DREAD: Risk assessment model, Dynamic SSL, Economics of security, Enterprise information security architecture, Entrust, Evasion (network security), Event data, Federal Desktop Core Configuration, Federal Information Security Management Act of 2002, Flaw hypothesis methodology, Footprinting, Forward anonymity, Four Horsemen of the Infocalypse, Fragmented distribution attack, Higgins project, High Assurance Guard, Host Based Security System, Human-computer interaction (security), Inference attack, Information assurance...and much more This book explains in-depth the real drivers and workings of Cybersecurity. It reduces the risk of your technology, time and resources investment decisions by enabling you to compare your understanding of Cybersecurity with the objectivity of experienced professionals

This is a cookbook packed with ready-to-use hacks that give solutions for some of the commonest problems users of the Vim editor encounter during their daily use. Each recipe follows a systematic approach with a self-contained description of the task it covers, how to use it, and what you gain by using it. The reader can read any of the hacks in this book without having to read any of the other hacks "where necessary they include cross-references to other relevant hacks. The minimum version of Vim required for each hack is clearly indicated. This is a cookbook packed with ready-to-use hacks that give solutions for some of the commonest problems users of the Vim editor encounter during their daily use. Each recipe follows a systematic approach with a self-contained description of the task it covers, how to use it, and what you gain by using it. The reader can read any of the hacks in this book without having to read any of the other hacks "where necessary they include cross-references to other relevant hacks. The minimum version of Vim required for each hack is clearly indicated.

* Expanded and revised in light of the GNU Compiler Collection (GCC) 4 release in April 2005, this book offers detailed coverage of GCC's somewhat daunting array of options and features

and includes several chapters devoted to its support for languages like C, C++, Java, Objective-C, and Fortran. * Though targeting beginner and intermediate developers, this book goes well beyond basic compiler usage, combining instruction of GCC's advanced features and utilities (authconf, libtool, and gprof) with key coding techniques, such as profiling and optimization to show how to build and manage enterprise-level applications. * This is an enormous market. GCC is the defacto compiler collection for hundreds of thousands of open source projects worldwide, a wide variety of commercial development projects, and is the standard compiler for academic programs.

A guide to the TCP/IP-based network security and privacy solution covers installation, configuration, maintenance, SSH server control, application tunneling, forced commands, port and agent forwarding, and troubleshooting.

RADIUS, or Remote Authentication Dial-In User Service, is a widely deployed protocol that enables companies to authenticate, authorize and account for remote users who want access to a system or service from a central network server. RADIUS provides a complete, detailed guide to the underpinnings of the RADIUS protocol. Author Jonathan Hassell brings practical suggestions and advice for implementing RADIUS and provides instructions for using an open-source variation called FreeRADIUS.

Offers instructions for creating a TCP/IP-based, Linux-driven local area network, covering installation, configuration, system and network management, servers, file systems, and network security.

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.

Jakarta Tomcat is not only the most commonly used open source servlet engine today, it's become the de facto standard by which other servlet engines are measured. Powerful and flexible, it can be used as a stand-alone web server or in conjunction with another server, like Apache or IIS, to run servlets or JSPs. But mastery of Tomcat is not easy: because it's as complex as it is complete. Tomcat: The Definitive Guide answers vexing questions that users, administrators, and developers alike have been asking. This concise guide provides much needed information to help harness Tomcat's power and wealth of features.Tomcat: The Definitive Guide offers something for everyone who uses Tomcat. System and network administrators will find detailed instructions on installation, configuration, and maintenance. For users, it supplies insightful information on how to deploy Tomcat. And seasoned enterprise Java developers will have a complete reference to setting up, running, and using this powerful softwareThe book begins with an introduction to the Tomcat server and includes an overview of the three types of server configurations: stand-alone, in-process, and out-of-process. The authors show how directories are laid out, cover the initial setup, and describe how to set the environment variables and modify the configuration files, concluding with common errors, problems, and solutions. In subsequent chapters, they cover: The server.xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer (SSL) Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more.Tomcat: The Definitive Guide covers all major platforms, including Windows, Solaris, Linux, and Mac OS X, contains details on Tomcat configuration files, and has a quick-start guide to get developers up and running with Java servlets and JavaServer Pages. If you've struggled with this powerful yet demanding technology in the past, this book will provide the answers you need.

Covers 18.04, 18.10, 19.04, and 19.10 Ubuntu Unleashed 2019 Edition is filled with unique and advanced information for everyone who wants to make the most of the Ubuntu Linux

operating system. This new edition has been thoroughly updated, including two new chapters, by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 18.04 LTS release, with forthcoming online updates for 18.10, 19.04, and 19.10 when they are released. Linux writer Matthew Helmke covers all you need to know about Ubuntu 18.04 LTS installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more—including intermediate-to-advanced techniques you won't find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu's key productivity and web development tools, programming languages, hardware support, and more. You'll find new or improved coverage of the Ubuntu desktop experience, common web servers and software stacks, containers like Docker and Kubernetes, as well as a wealth of systems administration information that is stable and valuable over many years. Configure and use the Ubuntu desktop Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, DNS, and HTTP servers (Apache, Nginx, or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization and cloud deployment, including information about containers Learn the basics about popular programming languages including Python, PHP, Perl, and gain an introduction to new alternatives such as Go and Rust

BEA's WebLogic Server implements the full range of J2EE technologies, and includes many additional features such as advanced management, clustering, and web services. Widely adopted, it forms the core of the WebLogic platform, providing a stable framework for building scalable, highly available, and secure applications. In fact, in the long list of WebLogic's strengths and features, only one shortcoming stands out: the documentation that comes with the WebLogic server often leaves users clamoring for more information. WebLogic: The Definitive Guide presents a 360-degree view of the world of WebLogic. Providing in-depth coverage of the WebLogic server, the book takes the concept of "definitive" to a whole new level. Exhaustive treatment of the WebLogic server and management console answers any question that developers or administrators might think to ask. Developers will find a useful guide through the world of WebLogic to help them apply their J2EE expertise to build and manage applications. Administrators will discover all they need to manage a WebLogic-based setup. And system architects will appreciate the detailed analysis of the different system architectures supported by WebLogic, the overall organization of a WebLogic domain and supporting network infrastructure, and more. WebLogic: The Definitive Guide is divided into three sections that explore WebLogic and J2EE, Managing the WebLogic Environment, and WebLogic Enterprise APIs. Some of the topics covered in this comprehensive volume include: Building web applications on the WebLogic Server Building and optimizing RMI applications Using EJBs with WebLogic, including CMP entity beans Packaging and deploying applications Understanding WebLogic's support for clustering Performance tuning and related configuration settings Configuring WebLogic's SSL support Maximizing WebLogic's security features Building web services with XML Using WebLogic's JMX services and MBeans Anyone who has struggled with mastering the WebLogic server will appreciate the thorough, clearly written explanations and examples in this book. WebLogic: The Definitive Guide is the definitive documentation for this popular J2EE application server.

Provides information on designing a VoIP or analog PBX using Asterisk, covering how to install, configure, and intergrate the software into an existing phone system.

Readers will learn how to automate their build, integration, release, and deployment processes with Jenkins, the popular Java-based open source tool that has revolutionized the way teams

think about continuous integration (CI).

Bring yourself up to date on everything you need to know about Ubuntu Linux The Ubuntu Linux Bible covers all of the latest developments in version 8.10 and 8.04, including tips for newcomers as well as expert guidance for seasoned system administrators. Learn about topics like the Gnome Desktop, the Bash shell, virtual machines, wireless networking, file sharing, and more. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Gain the essential skills and hands-on expertise required to pass the LPIC-3 300 certification exam. This book provides the insight for you to confidently install, manage and troubleshoot OpenLDAP, Samba, and FreeIPA. Helping you to get started from scratch, this guide is divided into three comprehensive sections covering everything you'll need to prepare for the exam. Part 1 focuses on OpenLDAP and topics including securing the directory, integration with PAM and replication. Part 2 covers Samba and teaches you about Samba architecture, using different back ends, print services, and deploying Samba as a stand-alone server, PDC, and Active Directory Domain Controller. Finally, Part 3 explains how to manage FreeIPA and how to integrate it with Active Directory. Practical LPIC-3 300 is the perfect study guide for anyone interested in the LPIC-3 300 certification exam, OpenLDAP, Samba, or FreeIPA. What You'll Learn Integrate LDAP with PAM and NSS, and with Active Directory and Kerberos Manage OpenLDAP replication and server performance tuning Use Samba as a PDC and BDC Configure Samba as a domain member server in an existing NT domain Use Samba as an AD Compatible Domain Controller Replicate, manage, and integrate FreeIPA Who This Book Is For This book is for anyone who is preparing for the LPIC-3 300 exam, or those interested in learning about OpenLDAP and Samba in general.

A guide to the features of Samba-3 provides step-by-step installation instructions on integrating Samba into a Windows or UNIX environment.

Learn to build web applications with Catalyst, the popular open source web framework based on the Perl programming language. The Definitive Guide to Catalyst: Writing Extendable, Scalable, and Maintainable Perl–Based Web Applications is a definitive guide to Catalyst version 5.8. This book contains Training materials for new and experience programmers. Worked examples and cookbook–style recipes of common web application programming tasks Fundamentals of web application design and best–practice application style

When Practical Unix Security was first published more than a decade ago, it became an instant classic. Crammed with information about host security, it saved many a Unix system administrator from disaster. The second edition added much-needed Internet security coverage and doubled the size of the original volume. The third edition is a comprehensive update of this very popular book - a companion for the Unix/Linux system administrator who needs to secure his or her organization's system, networks, and web presence in an increasingly hostile world.Focusing on the four most popular Unix variants today--Solaris, Mac OS X, Linux, and FreeBSD--this book contains new information on PAM (Pluggable Authentication Modules), LDAP, SMB/Samba, anti-theft technologies, embedded systems, wireless and laptop issues, forensics, intrusion detection, chroot jails, telephone scanners and firewalls, virtual and cryptographic filesystems, WebNFS, kernel security levels, outsourcing, legal issues, new Internet protocols and cryptographic algorithms, and much more.Practical Unix & Internet Security consists of six parts: Computer security basics: introduction to security problems and solutions, Unix history and lineage, and the importance of security policies as a basic element of system security. Security building blocks: fundamentals of Unix passwords, users, groups, the Unix filesystem, cryptography, physical security, and personnel security. Network security: a detailed look at modem and dialup security, TCP/IP, securing individual network services, Sun's RPC, various host and network authentication systems (e.g., NIS, NIS+, and Kerberos), NFS and other filesystems, and the importance of secure programming.

Secure operations: keeping up to date in today's changing security world, backups, defending against attacks, performing integrity management, and auditing. Handling security incidents: discovering a break-in, dealing with programmed threats and denial of service attacks, and legal aspects of computer security. Appendixes: a comprehensive security checklist and a detailed bibliography of paper and electronic references for further reading and research. Packed with 1000 pages of helpful text, scripts, checklists, tips, and warnings, this third edition remains the definitive reference for Unix administrators and anyone who cares about protecting their systems and data from today's threats.

* Covers the new, forthcoming release of Samba 3. * Demonstrates how to integrate Samba with other network protocols, such as NFS, AppleTalk, LPD, IPP, DNS, and NTP. * Clear and concise, the books describes the inner working of SMB/CIFS, and how to configure and maintain the Samba software on many platforms, including Linux, Unix, FreeBSD, Mac OS X (Jaguar and Panther), and Windows.

Streamline software development with Jenkins, the popular Java-based open source tool that has revolutionized the way teams think about Continuous Integration (CI). This complete guide shows you how to automate your build, integration, release, and deployment processes with Jenkins—and demonstrates how CI can save you time, money, and many headaches. Ideal for developers, software architects, and project managers, Jenkins: The Definitive Guide is both a CI tutorial and a comprehensive Jenkins reference. Through its wealth of best practices and real-world tips, you'll discover how easy it is to set up a CI service with Jenkins. Learn how to install, configure, and secure your Jenkins server Organize and monitor general-purpose build jobs Integrate automated tests to verify builds, and set up code quality reporting Establish effective team notification strategies and techniques Configure build pipelines, parameterized jobs, matrix builds, and other advanced jobs Manage a farm of Jenkins servers to run distributed builds Implement automated deployment and continuous delivery Kerberos, the single sign-on authentication system originally developed at MIT, deserves its name. It's a faithful watchdog that keeps intruders out of your networks. But it has been equally fierce to system administrators, for whom the complexity of Kerberos is legendary. Single sign-on is the holy grail of network administration, and Kerberos is the only game in town. Microsoft, by integrating Kerberos into Active Directory in Windows 2000 and 2003, has extended the reach of Kerberos to all networks large or small. Kerberos makes your network more secure and more convenient for users by providing a single authentication system that works across the entire network. One username; one password; one login is all you need. Fortunately, help for administrators is on the way. Kerberos: The Definitive Guide shows you how to implement Kerberos for secure authentication. In addition to covering the basic principles behind cryptographic authentication, it covers everything from basic installation to advanced topics like cross-realm authentication, defending against attacks on Kerberos, and troubleshooting. In addition to covering Microsoft's Active Directory implementation, Kerberos: The Definitive Guide covers both major

implementations of Kerberos for Unix and Linux: MIT and Heimdal. It shows you how to set up Mac OS X as a Kerberos client. The book also covers both versions of the Kerberos protocol that are still in use: Kerberos 4 (now obsolete) and Kerberos 5, paying special attention to the integration between the different protocols, and between Unix and Windows implementations. If you've been avoiding Kerberos because it's confusing and poorly documented, it's time to get on board! This book shows you how to put Kerberos authentication to work on your Windows and Unix systems.

Everything you need to know—and then some! It's the fastest-growing, coolest Linux distribution out there, and now you can join the excitement with this information-packed guide. Want to edit graphics? Create a spreadsheet? Manage groups? Set up an NFS server? You'll learn it all and more with the expert guidance, tips, and techniques in this first-ever soup-to-nuts book on Ubuntu. From the basics for newcomers to enterprise management for system administrators, it's what you need to succeed with Ubuntu. Master the fundamentals for desktop and networks Send e-mail, share files, edit text, and print Download music, watch DVDs, and play games Use Ubuntu on laptops, go wireless, or synch it with your PDA Set up Web, mail, print, DNS, DHCP, and other servers Manage groups and secure your network What's on the CD-ROM? Test-drive Ubuntu on your computer without changing a thing using the bootable Ubuntu Desktop Live CD included with this book. If you decide to install it permanently, a simple, easy-to-use installer is provided. Also on the CD, you'll find: Popular open-source software for Microsoft(r) Windows(r), such as AbiWord, Firefox(r), GIMP, and more An easy-to-use application that simplifies installing these programs on your Microsoft Windows system System Requirements: Please see the "About the CD-ROM Appendix" for details and complete system requirements. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Après deux premiers tomes dédiés aux bases et aux aspects avancés de l'administration système, ce troisième tome de la série Linux Administration traite de toutes les facettes de la sécurité Linux : sécurité de connexion, sécurité réseau, pare-feu, audit de sécurité, politiques de sécurité, etc. Très pragmatique dans son approche, l'auteur va à l'essentiel avec des fiches de cours synthétiques, accompagnées d'ateliers qui forment un recueil de recettes pratiques pour la gestion au quotidien de la sécurité d'un serveur Linux. Cette seconde édition prend en compte l'évolution des outils et des usages, et se fait l'écho de la montée en puissance d'outils comme SELinux, OpenVPN, OpenVAS ou Metasploit. L'auteur a choisi de mettre l'accent sur le mode commande, plutôt que sur les outils graphiques fournis avec les distributions. La connaissance des fichiers et des commandes qui se cachent derrière ces outils est en effet indispensable aux administrateurs opérant dans un contexte professionnel, et offre l'avantage d'une certaine indépendance vis-à-vis des distributions. Les quelques variantes sont indiquées dans des sections intitulées Les particularités

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

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