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**Building Secure Servers with Linux Linux Server Security Linux Server Security Linux Web Server Development** [How to Setup a Linux Web Server](#) *Linux Server Hacks* **Linux: Powerful Server Administration** [Pro SQL Server on Linux](#) **DevOps Troubleshooting** *Learn Red Hat Linux Server Tips* *Setting Up a Linux Intranet Server* *Visual Black Book* **Linux Network Servers IBM Communications Server for Data Center Deployment V7.0 An Introduction to Linux Server Administration** [The Official Ubuntu Server Book](#) [Linux Server Hacks, Volume Two](#) *DHCP server in Linux system* **Linux Network Administrator's Guide Best Practice Linux Server Administrator Seri Linux CentOS 6 & 7 Linux Samba Server Administration Build Your Own Web Server Using Linux and Apache Mastering Ubuntu Server** [SAP on DB2 9 for z/OS: Implementing Application Servers on Linux for System z](#) **Making Servers Work Linux Apache Web Server Administration How to Secure Your Linux Servers (the Complete Guide)** [Linux Web Server Development](#) *Linux Hardening in Hostile Networks* **Mastering Ubuntu Server** [Maximum Linux Security](#) **CentOS 7 Linux Server Cookbook** *Best Practice Linux Server Administrator* [Linux DNS Server Administration](#) **Red Hat? Linux? 6 Server Pro Ubuntu Server Administration** [Linux Server Security, Second Edition](#) **Mastering Linux Security and Hardening** *Configuration of Microsoft ISA Proxy Server and Linux Squid Proxy Server* **Linux Server Cookbook Linux in Action**

[Pro Ubuntu Server Administration](#) Mar 22 2020 Pro Ubuntu Server Administration teaches you advanced Ubuntu system building. After reading this book, you will be able to manage anything from simple file servers to multiple virtual servers to high-availability clusters. This is the capstone volume of the Apress Ubuntu trilogy that includes *Beginning Ubuntu Linux, Third Edition* and *Beginning Ubuntu Server LTS Administration: From Novice to Professional, Second Edition*. You will be able to make Ubuntu technology shine in a Fortune 500 environment and let Ubuntu server become the backbone of your infrastructure. Topics covered include Performance monitoring and optimization High-availability clustering Advanced Lightweight Directory Access Protocol (LDAP) integrated networking

**Mastering Ubuntu Server** Sep 27 2020 Get up to date with the finer points of Ubuntu Server using this comprehensive guide About This Book Get well-versed with newly-added features in Ubuntu 16.04 Master the art of installing, managing, and troubleshooting Ubuntu Server A practical easy-to-understand book that will help you enhance your existing skills. Who This Book Is For This book is intended for readers with intermediate or advanced-beginner skills with Linux, who would like to learn all about setting up servers with Ubuntu Server. This book assumes that the reader knows the basics of Linux, such as editing configuration files and running basic commands. What You Will Learn Learn how to manage users, groups, and permissions Encrypt and decrypt disks with Linux Unified Key Setup /Luks Setup SSH for remote access, and connect it to other nodes Understand how to add, remove, and search for packages Use NFS and Samba to share directories with other users Get to know techniques for managing Apache and MariaDB Explore best practices and troubleshooting techniques In Detail Ubuntu is a Debian-based Linux operating system, and has various versions targeted at servers, desktops, phones, tablets and televisions. The Ubuntu Server Edition, also called Ubuntu Server, offers support for several common configurations, and also simplifies common Linux server deployment processes. With this book as their guide, readers will be able to configure and deploy Ubuntu Servers using Ubuntu Server 16.04, with all the skills necessary to manage real servers. The book begins with the concept of user management, group management, as well as file-system permissions. To manage your storage on Ubuntu Server systems, you will learn how to add and format storage and view disk usage. Later, you will also learn how to configure network interfaces, manage IP addresses, deploy Network Manager in order to connect to networks, and manage network interfaces. Furthermore, you will understand how to start and stop services so that you

can manage running processes on Linux servers. The book will then demonstrate how to access and share files to or from Ubuntu Servers. You will learn how to create and manage databases using MariaDB and share web content with Apache. To virtualize hosts and applications, you will be shown how to set up KVM/Qemu and Docker and manage virtual machines with virt-manager. Lastly, you will explore best practices and troubleshooting techniques when working with Ubuntu Servers. By the end of the book, you will be an expert Ubuntu Server user well-versed in its advanced concepts. **Style and Approach** This book is an advanced guide that will show readers how to administer, manage, and deploy Ubuntu server and will also provide expert-level knowledge on advanced security and backup techniques.

**Linux Server Security** Jan 24 2023 Provides advice on ways to ensure network security, covering such topics as DNS, Apache web server, OpenLDAP, email encryption, Cyrus IMAP service, and FTP server.

**Red Hat? Linux? 6 Server** Apr 22 2020 Red Hat® Linux® 6 Server The open-source Linux operating system is gaining ground fast in businesses and universities around the world, and many commercial versions of the software make it reliable and user-friendly enough for any organization. In Red Hat Linux 6 Server, Unix expert Mohammed Kabir shows you step-by-step how to deploy Linux servers for your intranet or the Internet, from initial installation through security implementation and performance fine-tuning. In-depth coverage of the issues you'll face, plenty of real-world examples, an easy-to-understand guide to common commands, and a comprehensive listing of Linux resources on the Internet make this an indispensable resource, whether you're working for a small nonprofit or a large corporation. Working Solutions for the Linux 6 Server: Master the ins and outs of Linux installation and configuration Manage privileged and ordinary users, groups, and disk quotas Control, monitor, prioritize, and automate programs Set up DNS, SMTP, POP3, HTTP, FTP, IRC, and SQL servers Secure your server using firewalls and tools such as SATAN and COPS Design a load-balanced, multiserver Apache-based Web network Set up Samba and NFS fileserver for your office network Bonus! CD-ROM with Complete Linux Distribution, including: Linux Kernel 2.2.5 Installation and configuration tools GNOME and KDE graphical user interfaces Full TCP/IP networking Dial-up networking tools for ISP access Complete suite of Internet applications, including e-mail, news, and Telnet Apache Web Server 1.3.6 Netscape Communicator 4.51 And much more [www.idgbooks.com](http://www.idgbooks.com)

**Building Secure Servers with Linux** Feb 25 2023 Linux consistently turns up high in the list of popular Internet servers, whether it's for the Web, anonymous FTP, or general services like DNS and routing mail. But security is uppermost on the mind of anyone providing such a service. Any server experiences casual probe attempts dozens of time a day, and serious break-in attempts with some frequency as well. As the cost of broadband and other high-speed Internet connectivity has gone down, and its availability has increased, more Linux users are providing or considering providing Internet services such as HTTP, Anonymous FTP, etc., to the world at large. At the same time, some important, powerful, and popular Open Source tools have emerged and rapidly matured--some of which rival expensive commercial equivalents--making Linux a particularly appropriate platform for providing secure Internet services. Building Secure Servers with Linux will help you master the principles of reliable system and network security by combining practical advice with a firm knowledge of the technical tools needed to ensure security. The book focuses on the most common use of Linux--as a hub offering services to an organization or the larger Internet--and shows readers how to harden their hosts against attacks. Author Mick Bauer, a security consultant, network architect, and lead author of the popular Paranoid Penguin column in Linux Journal, carefully outlines the security risks, defines precautions that can minimize those risks, and offers recipes for robust security. The book does not cover firewalls, but covers the more common situation where an organization protects its hub using other systems as firewalls, often proprietary firewalls. The book includes: Precise directions for securing common services, including the Web, mail, DNS, and file transfer. Ancillary tasks, such as hardening Linux, using SSH and certificates for tunneling, and using iptables for firewalling. Basic installation of intrusion detection tools. Writing for Linux users with little security expertise, the author explains security concepts and techniques in clear language, beginning with the fundamentals. Building Secure Servers with Linux provides a unique balance of "big picture" principles that transcend specific software packages and version numbers, and very clear procedures on securing some of those software packages. An all-inclusive resource for Linux users who wish to harden their systems, the book covers general security as well as key services such as

DNS, the Apache Web server, mail, file transfer, and secure shell. With this book in hand, you'll have everything you need to ensure robust security of your Linux system.

**Linux Server Security** Dec 23 2022 Learn how to attack and defend the world's most popular web server platform Linux Server Security: Hack and Defend presents a detailed guide for experienced admins, aspiring hackers and other IT professionals seeking a more advanced understanding of Linux security. Written by a 20-year veteran of Linux server deployment this book provides the insight of experience along with highly practical instruction. The topics range from the theory of past, current, and future attacks, to the mitigation of a variety of online attacks, all the way to empowering you to perform numerous malicious attacks yourself (in the hope that you will learn how to defend against them). By increasing your understanding of a hacker's tools and mindset you're less likely to be confronted by the all-too-common reality faced by many admins these days: someone else has control of your systems. Master hacking tools and launch sophisticated attacks: perform SQL injections, deploy multiple server exploits and crack complex passwords. Defend systems and networks: make your servers invisible, be confident of your security with penetration testing and repel unwelcome attackers. Increase your background knowledge of attacks on systems and networks and improve all-important practical skills required to secure any Linux server. The techniques presented apply to almost all Linux distributions including the many Debian and Red Hat derivatives and some other Unix-type systems. Further your career with this intriguing, deeply insightful, must-have technical book. Diverse, broadly-applicable and hands-on practical, Linux Server Security: Hack and Defend is an essential resource which will sit proudly on any techie's bookshelf.

**Linux Server Hacks, Volume Two** Nov 10 2021 Provides advice and tools to help Linux system administrators solve problems, offering hacks devoted to concerns such as controlling the authentication process, running a GUI Linux desktop remotely, and managing storage on the network.

**Linux Web Server Development** Nov 29 2020 Linux Web Server Development will teach you how to build a Linux Web server from scratch using Free/Open Source programs. The only requirement is a computer with an Internet connection. You will learn how to: - download and set up a Linux Web server - configure your router and Operating System (OS) - register and configure a Dynamic Domain Name using DDNS - build a database-enabled site for querying a MySQL database - run multiple sites with Virtual Servers simultaneously - perform common Web server administrative tasks - use (and even develop) online network tools - deploy Linux networking tools - develop HTML and PHP sites - test your server remotely - set up your firewall

**How to Secure Your Linux Servers (the Complete Guide)** Dec 31 2020 This book focuses its attention on securing your Linux server. Linux has become one of the most used Operating system, if not the most used, across the world and all over the Internet. Most web servers run on Apache and on Linux, a lot of MTAs also run Postfix or Sendmail and they both run on Linux. With the advent of broadband, more and more home users are setting up their own web servers and leaving permanently connected to the Internet.

**Mastering Ubuntu Server** May 04 2021 Your one-stop resource to learn, configure and use Ubuntu 22.04 for your day-to-day operations and deployments. Purchase of the print or Kindle book includes a free eBook in PDF format. Key Features Get well-versed with newly added features in Ubuntu 22.04 Master the art of installing, managing, and troubleshooting Ubuntu Server Leverage the improved performance and security-related aspects of Ubuntu Server 22.04 Book Description Ubuntu Server is taking the server world by storm - and for a good reason! The server-focused spin of Ubuntu is a stable, flexible, and powerful enterprise-class distribution of Linux with a focus on running servers both small and large. Mastering Ubuntu Server is a book that will teach you everything you need to know in order to manage real Ubuntu-based servers in actual production deployments. This book will take you from initial installation to deploying production-ready solutions to empower your small office network, or even a full data center. You'll see examples of running an Ubuntu Server in the cloud, be walked through set up popular applications (such as Nextcloud), host your own websites, and deploy network resources such as DHCP, DNS, and others. You'll also see how to containerize applications via LXD to maximize efficiency and learn how to build Kubernetes clusters. This new fourth edition updates the popular book to cover Ubuntu 22.04 LTS, which takes advantage of the latest in Linux-based technologies. By the end of this Ubuntu book, you will have gained all the knowledge you need in order to work on real-life

Ubuntu Server deployments and become an expert Ubuntu Server administrator who is well versed in its feature set. What you will learn Install Ubuntu Server on physical servers and on the Raspberry Pi Deploy Ubuntu Server in the cloud and host websites on your own server Deploy your applications to their own containers and scale your infrastructure Set up popular applications such as Nextcloud Automate deployments and configuration with Ansible to save time Containerize applications via LXD to maximize efficiency Discover best practices and troubleshooting techniques Who this book is for This book is for System Administrators, Site Reliability Engineers, DevOps professionals, enthusiasts, as well as for individuals looking to make a career change and learn the skills they'll need to work with Ubuntu servers. Prior knowledge of Ubuntu is not required but a basic understanding of basic computing concepts is assumed. Some IT administration, Linux, and shell scripting experience is preferred, although the first several chapters will bring newcomers up to speed as well.

**Linux Server Cookbook** Nov 17 2019 Learn How to Implement Key System Administration Tasks in Linux KEY FEATURES ? Configure and use Linux network commands to analyze, maintain, and troubleshoot the network. ? Get familiar with the most commonly used advanced commands required for administrating the Linux Server. ? Explore new and trending services in the system administration domain. DESCRIPTION Linux is the most popular operating system in the IT industry due to its security and performance. In this book, you will get familiar with the most important and advanced concepts of Linux server administration. The book begins by showing you how to install a Linux distribution and the different possibilities available depending on the end usage of it. After installation, the book shows how to manage your system, administrate users, and permissions, and how to install new software and configure the services. The book provides a review of the most common and useful CLI commands and will provide knowledge on how to manage files, directories, and processes. It explains how to install and administer advanced services like databases and file sharing. The book will then guide you through new technologies related to automation, containers, and continuous integration/delivery pipelines. Lastly, it will help you explore concepts such as Infrastructure as Code and Infrastructure as a Service and the usage of Linux on Public and Private clouds in detail with multiple examples. By the end of the book, you will be able to use different open-source tools available on Linux to perform tasks. WHAT YOU WILL LEARN ? Learn how to install a Linux distribution. ? Explore advanced Network Configuration in Linux. ? Configure firewall and network security in the Linux server. ? Learn how to automate your system administration tasks. ? Automate Linux Server Deployments with Terraform. WHO THIS BOOK IS FOR This book is best suited for System administrators, Linux administrators, IT managers, Network engineers, Network administrators, and Security professionals. TABLE OF CONTENTS 1. Introduction to Linux 2. Linux Installation 3. Using the Command Line Interface 4. User Administration and Software Management 5. Managing Files, Directories, and Processes 6. Monitoring System Resources 7. Network Configuration 8. Security 9. Network Services 10. File Sharing 11. Databases 12. Automation 13. Containers and CI/CD 14. Backup and Restore 15. Multi Cloud Management 16. Infrastructure as a Service

**Linux Network Servers** Mar 14 2022 Authoritative Answers to All Your Linux Network Server Questions--Specifically for Linux Administrators Tap into Linux's impressive capabilities as a network server. Written by one of the world's leading Linux system administration experts, Linux Network Servers teaches you, step-by-step, all the standard and advanced techniques you need to know to configure and administer a full range of network services, from file and printer sharing to email and the Web. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes the following: Installing Linux Understanding the boot process Working with the network interface Setting up login services Using Linux name services Configuring a mail server Setting up Apache Web server Configuring network gateway services Configuring desktop configuration server Setting up file sharing Setting up printer services Securing your server Troubleshooting The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, DNS Server Administration, Apache, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

*Best Practice Linux Server Administrator* Jun 24 2020 Buku yang bertajuk Best Practice Linux Instalasi dan Konfigurasi dengan Konsep Visualisasi ini memuat tentang materi Linux Server Administrator yang membahas tentang cara instalasi Operating System Linux Server. Muhammad Ulil Albab adalah salah satu dari 3 Siswa SMK Balekambang sekaligus Santri Roudlotul Mubtadiin, Balekambang, Kabupaten Jepara, Propinsi Jawa Tengah, yang berhasil membuat buku IT dan diterbitkan sebagai Buku dengan ISBN yang pertama kali berhasil dibuat oleh Siswa SMK se-Indonesia. Patut disyukuri dan mendapatkan sebuah apresiasi. Selanjutnya buku ini akan menjadi panduan praktik di sekolah dan sudah resmi berlisensi ISBN (Internasional Standar Book Number), sehingga buku tersebut siap dicetak dan diedarkan lebih lanjut oleh penerbit.

*Linux Hardening in Hostile Networks* Oct 29 2020 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 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](http://informit.com/register) for convenient access to downloads, updates, and corrections as they become available.

*Setting Up a Linux Intranet Server Visual Black Book* Apr 15 2022 By following the step-by-step instructions and the visual format with numerous screen shots, Linux users can easily learn installation, configuration, networking, administration, utilities, commands, and reconfiguring the hard drive for increased efficiency.

*Configuration of Microsoft ISA Proxy Server and Linux Squid Proxy Server* Dec 19 2019 a lot of technicians switch between ISA server and Squid server, I decided to write this paper to present some reference when configuring ISA and Squid. There a lot of issues that not covered, and you can go to the manual of ISA server and Squid server for detailed configuration of ISA and Squid. The paper is composed from two parts 1. Microsoft ISA server 2004 Configuration 2. Linux Squid Server Configuration Note that, this work was done without proper simulation, because of the lack of resources, as testing firewall configuration requires many computers, with one of them should have many network cards. Also the ISA server is not used in the computer center now. KEYWORDS: Internet Security Acceleration Server, ISA Server, Squid Server, Proxy, Firewall.

*Linux DNS Server Administration* May 24 2020 Geared especially toward professional Linux administrators, this book--part of an eight-book set from the Craig Hunt Linux Library--provides

advanced treatment of Domain Name Service (DNS), a server that translates Internet protocol addresses into the URLs humans use.

**Linux Apache Web Server Administration** Feb 01 2021 Authoritative Answers to All Your Apache Questions--Now Updated to Cover Apache 2.0 Linux Apache Web Server Administration is the most complete, most advanced guide to the Apache Web server you'll find anywhere. Written by a leading Apache expert--and now updated to cover Apache 2.0--this book teaches you, step-by-step, all the standard and advanced techniques you need to know to administer Apache on a Linux box. Hundreds of clear, consistent examples illustrate these techniques in detail--so you stay on track and accomplish all your goals. Coverage includes: \* Compiling Apache from source code \* Creating and hosting virtual web sites \* Using Server-Side Includes to create Web pages with dynamic content \* Using Apache directives to configure your site \* Extending Apache using add-on modules \* Using the Common Gateway Interface for web programming \* Enhancing the performance of CGI programs with FastCGI and mod\_perl \* Installing Apache support for PHP \* Extending Apache to run Java servlets or Java Server Pages \* Attaching Apache to a database server \* Using URL rewriting for increased request-handling flexibility \* Implementing user authentication \* Adding Secure Sockets Layer for enhanced system security \* Customizing Apache's log formats The Craig Hunt Linux Library The Craig Hunt Linux Library provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, DNS Server Administration, Network Servers, Security, and Sendmail. Each book in the series is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage for networking professionals working specifically in Linux environments.

**CentOS 7 Linux Server Cookbook** Jul 26 2020 Over 80 recipes to get up and running with CentOS 7 Linux server About This Book A practical guide to install, configure, administer and maintain CentOS 7 servers An in-depth guide to the CentOS 7 operating system, exploring its various new features and changes in server administration Presents tricks and solutions to tackle common server issues with the help of practical examples and real-life scenarios Who This Book Is For This book is targeted at beginner and more experienced system administrators alike who want to use CentOS as their server solution. Readers do not need much pre-knowledge or experience at all to work with this book. What You Will Learn Install and configure CentOS 7 Linux server system from scratch using normal and advanced methods Maintain a performance-based and secure server solution by deploying expert configuration advice and managing software packages Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as web, mail, FTP, database and domain name server technologies Introduce you to the world of operating-system-level virtualization using the Docker platform. Understand the fundamentals of the Security-Enhanced Linux access control architecture Monitor your IT infrastructure using Nagios In Detail This book will provide you with a comprehensive series of starting points that will give you direct access to the inner workings of the latest CentOS version 7 and help you trim the learning curve to master your server. You will begin with the installation and basic configuration of CentOS 7, followed by learning how to manage your system, services and software packages. You will then gain an understanding of how to administer the file system, secure access to your server and configure various resource sharing services such as file, printer and DHCP servers across your network. Further on, we cover advanced topics such as FTP services, building your own DNS server, running database servers, and providing mail and web services. Finally, you will get a deep understanding of SELinux and you will learn how to work with Docker operating-system virtualization and how to monitor your IT infrastructure with Nagios. By the end of this book, you will have a fair understanding of all the aspects of configuring, implementing and administering CentOS 7 Linux server and how to put it in control. Style and approach This book is a practical reference guide with hands-on examples and solutions to real-world administration problems. It covers in-depth and comprehensive information on CentOS 7 and its new features.

**Best Practice Linux Server Administrator Seri Linux CentOS 6 & 7** Aug 07 2021 Perkembangan teknologi informasi tidak bisa dipisahkan dari perkembangan teknologi dan infrastruktur jaringan komputer serta teknologi operating system untuk server. Operating system untuk server, khususnya berbasis Open Source juga berkembang dengan sangat pesat karena berbagai faktor yang sangat penting.

Diantaranya adalah kehandalan dari sisi keamanan maupun kestabilan serta yang sangat berperan penting adalah sisi Lisensi yang gratis. Selain itu dukungan support yang mudah didapatkan juga sangat membantu berkembangnya operating system untuk server berbasis opensource ( OS Linux ). Linux CentOS adalah sebuah Distro atau distribution operating system yang dibangun dari keluarga RedHat yang mana RedHat merupakan nama keluarga Linux yang tertua dan ternama diantara TOP 5 OS Linux. Linux CentOS merupakan turunan dari Linux RedHat namun secara lisensi Linux CentOS ini 100% gratis. Kehandalan maupun fungsional serta kemudahan distro Linux dari keluarga RedHat ini sudah tidak diragukan lagi. Baik experience-nya sebagai OS TOP-nya Database Server Oracle maupun sebagai OS TOP-nya ERP SAP. Karena itulah penulis sengaja mengangkat Linux CentOS dalam buku ini. Selain itu, penulis ingin berbagi pengalaman sejumlah implementasi Linux Server System yang sangat banyak dibutuhkan atau diaplikasikan diperusahaan-perusahaan besar. Selain itu, Linux CentOS merupakan andalan para provider hosting sebagai OS pada Server layanan hosting maupun VPS. Kemudahan dalam manage OS CentOS dengan mode console maupun mode GUI tentunya sangat memudahkan bagi customer beginner Linux. Linux CentOS ini mudah bagi kalangan siapa saja, baik rekan-rekan expert Linux maupun newbie Linux. Jadi tidak perlu pesimis ataupun ragu-ragu lagi bagi rekan-rekan atau adik-adik untuk mendalami semaksimal mungkin dari materi Linux CentOS ini. Karena skill Administering Linux CentOS anda akan sangat dibutuhkan saat terjun didunia kerja nanti. Terimakasih kami haturkan teruntuk Pakar IT Nasional – Onno W. Purbo, karena beliau sangat mendukung penulis untuk berbagi ilmu dan sharing berbagi teknologi untuk Indonesia.

**Linux: Powerful Server Administration** Aug 19 2022 Get hands-on recipes to make the most of Ubuntu Server, CentOS 7 Linux Server and RHEL 7 Server About This Book Get Linux servers up and running in seconds, In-depth guide to explore new features and solutions in server administration Maintain performance and security of your server solution by deploying expert configuration advice Who This Book Is For This Learning Path is intended for system administrators with a basic understanding of Linux operating systems and written with the novice-to-intermediate Linux user in mind. To get the most of this Learning Path, you should have a working knowledge of basic system administration and management tools. What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Monitor, manage and develop your server's file system to maintain a stable performance Gain best practice methods on sharing files and resources through a network Install and configure common standard services such as web, mail, FTP, database and domain name server technologies Create kickstart scripts to automatically deploy RHEL 7 systems Use Orchestration and configuration management tools to manage your environment In Detail Linux servers are frequently selected over other server operating systems for their stability, security and flexibility advantages. This Learning Path will teach you how to get up and running with three of the most popular Linux server distros: Ubuntu Server, CentOS 7 Server, and RHEL 7 Server. We will begin with the Ubuntu Server and show you how to make the most of Ubuntu's advanced functionalities. Moving on, we will provide you with all the knowledge that will give you access to the inner workings of the latest CentOS version 7. Finally, touching RHEL 7, we will provide you with solutions to common RHEL 7 Server challenges. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: 1) Ubuntu Server Cookbook 2) CentOS 7 Linux Server Cookbook, Second Edition 3) Red Hat Enterprise Linux Server Cookbook Style and approach This easy-to-follow practical guide contains hands on examples and solutions to real world administration problems and problems faced when building your RHEL 7 system from scratch using orchestration tools.

**DevOps Troubleshooting** Jun 17 2022 "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

**An Introduction to Linux Server Administration** Jan 12 2022 This book explains how to use Linux, both as an end-user and as a system administrator. It explains all the common command line instructions one uses on Linux, as well as how Linux relates to other similar systems, such as BSD and Mac OS X, and what points it differs on. This book also covers how to set up Linux as a server and how to perform complex tasks like shell scripting, adding new drives, and setting up logical volume management (LVM). There is also a chapter on Internet which explains, in substantial detail, what Internet is, how it works, and how you can use Linux as an Internet server, specifically with Apache and Sendmail. This new edition, based on three previous books, incorporates a lot of information about how to set up email and web servers, as well as how to deploy security measures on your server, cope with attacks, and so on.

**Mastering Linux Security and Hardening** Jan 20 2020 A comprehensive guide to mastering the art of preventing your Linux system from getting compromised. Key Features Leverage this guide to confidently deliver a system that reduces the risk of being hacked Perform a number of advanced Linux security techniques such as network service detection, user authentication, controlling special permissions, encrypting file systems, and much more Master the art of securing a Linux environment with this end-to-end practical guide Book Description This book has extensive coverage of techniques that will help prevent attackers from breaching your system, by building a much more secure Linux environment. You will learn various security techniques such as SSH hardening, network service detection, setting up firewalls, encrypting file systems, protecting user accounts, authentication processes, and so on. Moving forward, you will also develop hands-on skills with advanced Linux permissions, access control, special modes, and more. Lastly, this book will also cover best practices and troubleshooting techniques to get your work done efficiently. By the end of this book, you will be confident in delivering a system that will be much harder to compromise. What you will learn Use various techniques to prevent intruders from accessing sensitive data Prevent intruders from planting malware, and detect whether malware has been planted Prevent insiders from accessing data that they aren't authorized to access Do quick checks to see whether a computer is running network services that it doesn't need to run Learn security techniques that are common to all Linux distros, and some that are distro-specific Who this book is for If you are a systems administrator or a network engineer interested in making your Linux environment more secure, then this book is for you. Security consultants wanting to enhance their Linux security skills will also benefit from this book. Prior knowledge of Linux is mandatory.

**Build Your Own Web Server Using Linux and Apache** Jun 05 2021 This book is for Web developers who want to learn how to use Linux and Apache for website hosting. The text covers installation of Linux and Apache 2.0 on a home or office machine for testing purposes and how to perform dozens of common administration, security and optimization tasks.

*Learn Red Hat Linux Server Tips* May 16 2022 A series of tips answers specific questions about using the Linux operating system in connection with various servers, touching on TCP/IP, point-to-point protocol, network information systems, network administration, GNU projects, hardware, and filesystem structure. An appendix lists the table of contents for 41 HOWTOs. The CD-ROM contains Red Hat Linux Publisher's Edition, version 6.1.

**Making Servers Work** Mar 02 2021 This book highlights practical sysadmin skills, common architectures that you'll encounter, and best practices that apply to automating and running systems at any scale, from one laptop or server to 1,000 or more. It is intended to help orient you within the discipline, and hopefully encourages you to learn more about system administration.



*DHCP server in Linux system* Oct 09 2021 ISC DHCPD the most famous DHCP server. The micro-course describes how to configure the DHCP server in the Linux Server system on the basis of the ISC DHCPD application. Keywords: dhcpd, dhcpd.conf

Pro SQL Server on Linux Jul 18 2022 Get SQL Server up and running on the Linux operating system and containers. No database professional managing or developing SQL Server on Linux will want to be without this deep and authoritative guide by one of the most respected experts on SQL Server in the industry. Get an inside look at how SQL Server for Linux works through the eyes of an engineer on the team that made it possible. Microsoft SQL Server is one of the leading database platforms in the industry, and SQL Server 2017 offers developers and administrators the ability to run a database management system on Linux, offering proven support for enterprise-level features and without onerous licensing terms. Organizations invested in Microsoft and open source technologies are now able to run a unified database platform across all their operating system investments. Organizations are further able to take full advantage of containerization through popular platforms such as Docker and Kubernetes. Pro SQL Server on Linux walks you through installing and configuring SQL Server on the Linux platform. The author is one of the principal architects of SQL Server for Linux, and brings a corresponding depth of knowledge that no database professional or developer on Linux will want to be without. Throughout this book are internals of how SQL Server on Linux works including an in depth look at the innovative architecture. The book covers day-to-day management and troubleshooting, including diagnostics and monitoring, the use of containers to manage deployments, and the use of self-tuning and the in-memory capabilities. Also covered are performance capabilities, high availability, and disaster recovery along with security and encryption. The book covers the product-specific knowledge to bring SQL Server and its powerful features to life on the Linux platform, including coverage of containerization through Docker and Kubernetes. What You'll Learn Learn about the history and internal of the unique SQL Server on Linux architecture. Install and configure Microsoft's flagship database product on the Linux platform Manage your deployments using container technology through Docker and Kubernetes Know the basics of building databases, the T-SQL language, and developing applications against SQL Server on Linux Use tools and features to diagnose, manage, and monitor SQL Server on Linux Scale your application by learning the performance capabilities of SQL Server Deliver high availability and disaster recovery to ensure business continuity Secure your database from attack, and protect sensitive data through encryption Take advantage of powerful features such as Failover Clusters, Availability Groups, In-Memory Support, and SQL Server's Self-Tuning Engine Learn how to migrate your database from older releases of SQL Server and other database platforms such as Oracle and PostgreSQL Build and maintain schemas, and perform management tasks from both GUI and command line Who This Book Is For Developers and IT professionals who are new to SQL Server and wish to configure it on the Linux operating system. This book is also useful to those familiar with SQL Server on Windows who want to learn the unique aspects of managing SQL Server on the Linux platform and Docker containers. Readers should have a grasp of relational database concepts and be comfortable with the SQL language.

SAP on DB2 9 for z/OS: Implementing Application Servers on Linux for System z Apr 03 2021 The power of the IBM System z, combined with the flexibility of Linux on System z, provides the ideal platform on which to implement SAP application servers. System z provides the benefits of continuous availability, high performance, scalability, and ease of management; these qualities support and complement mission-critical SAP business applications. This IBM Redbooks publication focuses on the implementation of SAP application servers on Linux on System z to leverage the synergy of this combination of products. It provides detailed information to guide you through the planning process, including resource sharing considerations, hardware and software requirements, support and maintenance. This book takes you through the steps to prepare the system environment, describing system and network configurations, and demonstrates the procedures for installing and customizing your system. It describes in detail how to install SAP application servers in z/VM Linux images, including the installation of SAP and Java and hipersockets. Finally, it provides guidance for performance tuning and introduces some useful monitoring tools.

The Official Ubuntu Server Book Dec 11 2021 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 covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior system 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. 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 email 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

**Linux Server Hacks** Sep 20 2022 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 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.

**Linux Network Administrator's Guide** Sep 08 2021 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).

**How to Setup a Linux Web Server** Oct 21 2022 This book shows you how to build your own Linux Web server with Ubuntu Linux and host your own website at home for free without having to pay a web hosting company like GoDaddy or Web.com. Whether you are ten years old or 80, even if you have never worked with Linux before and you are not that good with computers, you can setup a Linux Web Server by following the simple, easy-to-follow steps in this book. Setup an Ubuntu Linux Server from scratch. Create your own domain name. Make a simple web page. Get your server to be seen by the Internet. Use FTP to edit your web pages. Process HTML form submissions. Program a MySQL database to store a guest book. Use PHP to integrate your web page with MySQL. Add a visitor counter to your web page. Setup Free Dynamic DNS Forwarding Backup your MySQL Databases Use Linux, MySQL and PHP security features. Accept payment with PayPal buttons.

**Maximum Linux Security** Aug 27 2020 A controversial, comprehensive guide to Linux security--written by the same anonymous hacker who wrote the bestselling "Maximum Security." The book covers hundreds of Linux system holes, attack methods, hacker's tools, and security techniques. The CD-ROM includes a comprehensive collection of Linux security products, plus code examples, technical documents,

**IBM Communications Server for Data Center Deployment V7.0** Feb 13 2022 This IBM®

Redpaper™ publication will guide the user through the installation, configuration, and administration of IBM Communications Server for Data Center Deployment V7.0. It is not intended to be all-inclusive. Rather, it builds on previous publications referenced throughout the document. The focus is on the consolidation of Systems Network Architecture (SNA) resources, key features and functions available in IBM Communications Server for Data Center Deployment, and the Web Administration package specific to the Linux platform.

Linux Server Security, Second Edition Feb 19 2020 Linux consistently appears high up in the list of popular Internet servers, whether it's for the Web, anonymous FTP, or general services such as DNS and delivering mail. But security is the foremost concern of anyone providing such a service. Any server experiences casual probe attempts dozens of time a day, and serious break-in attempts with some frequency as well. This highly regarded book, originally titled Building Secure Servers with Linux , combines practical advice with a firm knowledge of the technical tools needed to ensure security. The book focuses on the most common use of Linux--as a hub offering services to an organization or the Internet--and shows readers how to harden their hosts against attacks. An all-inclusive resource for Linux users who wish to harden their systems, Linux Server Security covers general security such as intrusion detection and firewalling a hub, as well as key services such as DNS, the Apache Web server, mail, and secure shell. Author Michael D. Bauer, a security consultant, network architect, and lead author of the popular Paranoid Penguin column in the Linux Journal , carefully outlines the security risks, defines precautions that can minimize those risks, and offers recipes for robust security. He is joined on several chapters by administrator and developer Bill Lubanovic. A number of new security topics have been added for this edition, including: Database security, with a focus on MySQL Using OpenLDAP for authentication An introduction to email encryption The Cyrus IMAP service, a popular mail delivery agent The vsftpd FTP server Geared toward Linux users with little security expertise, the author explains security concepts and techniques in clear language, beginning with the fundamentals. Linux Server Security with Linux provides a unique balance of "big picture" principles that transcend specific software packages and version numbers, and very clear procedures on securing some of those software packages on several popular distributions. With this book in hand, you'll have both the expertise and the tools to comprehensively secure your Linux system.

**Linux in Action** Oct 17 2019 Summary Linux in Action is a task-based tutorial that will give you the skills and deep understanding you need to administer a Linux-based system. This hands-on book guides you through 12 real-world projects so you can practice as you learn. Each chapter ends with a review of best practices, new terms, and exercises. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You can't learn anything without getting your hands dirty— including Linux. Skills like securing files, folders, and servers, safely installing patches and applications, and managing a network are required for any serious user, including developers, administrators, and DevOps professionals. With this hands-on tutorial, you'll roll up your sleeves and learn Linux project by project. About the Book Linux in Action guides you through 12 real-world projects, including automating a backup-and-restore system, setting up a private Dropbox-style file cloud, and building your own MediaWiki server. You'll try out interesting examples as you lock in core practices like virtualization, disaster recovery, security, backup, DevOps, and system troubleshooting. Each chapter ends with a review of best practices, new terms, and exercises. What's inside Setting up a safe Linux environment Managing secure remote connectivity Building a system recovery device Patching and upgrading your system About the Reader No prior Linux admin experience is required. About the Author David Clinton is a certified Linux Server Professional, seasoned instructor, and author of Manning's bestselling Learn Amazon Web Services in a Month of Lunches. Table of Contents Welcome to Linux Linux virtualization: Building a Linux working environment Remote connectivity: Safely accessing networked machines Archive management: Backing up or copying entire file systems Automated administration: Configuring automated offsite backups Emergency tools: Building a system recovery device Web servers: Building a MediaWiki server Networked file sharing: Building a Nextcloud file-sharing server Securing your web server Securing network connections: Creating a VPN or DMZ System monitoring: Working with log files Sharing data over a private network Troubleshooting system performance issues Troubleshooting network issues Troubleshooting peripheral devices DevOps tools:

Deploying a scripted server environment using Ansible

**Linux Web Server Development** Nov 22 2022 Linux Web Server Development will teach you how to build a Linux Web server from scratch using Free/Open Source programs. The only requirement is a computer with an Internet connection. You will learn how to: \* download and set up a Linux Web server \* configure your router and Operating System \* register and configure a Dynamic Domain Name using DDNS\* build a database-enabled site for querying a MySQL database\* use (and even develop) online network tools \* run multiple sites with Virtual Servers simultaneously \* perform common Web server administrative tasks\* develop HTML and PHP sites \* test your server remotely\* set up your firewall\* use Linux networking tools

Linux Samba Server Administration Jul 06 2021 Authoritative Answers to All Your Samba Questions Linux Samba Server Administration is the most complete, most advanced guide to Samba you'll find anywhere. Written by a leading Linux expert, this book teaches you, step-by-step, all the standard and advanced Samba techniques you'll need to make Linux and UNIX machines operate seamlessly as part of your Windows network. Throughout, scores of clear, consistent examples illustrate these techniques in detail—so you stay on track and accomplish all your goals. Coverage includes: Installing Samba Setting up file sharing Setting up printer sharing Using Samba as a client Setting up a working user authentication system Using automation to expand Samba's capabilities Setting up Samba as a domain controller Configuring NetBIOS name server functions Configuring Samba for optimal interoperation with other servers Managing user accounts Optimizing Samba for maximum speed Securing Samba against intrusion Using Samba as a backup server Troubleshooting Samba Configuring Samba to work with a variety of client OSs About the Library The Craig Hunt Linux Library is an eight-book set that provides in-depth, advanced coverage of the key topics for Linux administrators. Topics include Samba, System Administration, Sendmail, Apache, NFS and Automounter, and Linux Security. Each book in the library is either written by or meticulously reviewed by Craig Hunt to ensure the highest quality and most complete coverage of networking professionals working specifically in Linux environments.

- [Building Secure Servers With Linux](#)
- [Linux Server Security](#)
- [Linux Server Security](#)
- [Linux Web Server Development](#)
- [How To Setup A Linux Web Server](#)
- [Linux Server Hacks](#)
- [Linux Powerful Server Administration](#)
- [Pro SQL Server On Linux](#)
- [DevOps Troubleshooting](#)
- [Learn Red Hat Linux Server Tips](#)
- [Setting Up A Linux Intranet Server Visual Black Book](#)
- [Linux Network Servers](#)
- [IBM Communications Server For Data Center Deployment V70](#)
- [An Introduction To Linux Server Administration](#)
- [The Official Ubuntu Server Book](#)
- [Linux Server Hacks Volume Two](#)
- [DHCP Server In Linux System](#)
- [Linux Network Administrators Guide](#)
- [Best Practice Linux Server Administrator Seri Linux CentOS 6 7](#)
- [Linux Samba Server Administration](#)
- [Build Your Own Web Server Using Linux And Apache](#)
- [Mastering Ubuntu Server](#)
- [SAP On DB2 9 For Z OS Implementing Application Servers On Linux For System Z](#)
- [Making Servers Work](#)
- [Linux Apache Web Server Administration](#)
- [How To Secure Your Linux Servers The Complete Guide](#)

- [Linux Web Server Development](#)
- [Linux Hardening In Hostile Networks](#)
- [Mastering Ubuntu Server](#)
- [Maximum Linux Security](#)
- [CentOS 7 Linux Server Cookbook](#)
- [Best Practice Linux Server Administrator](#)
- [Linux DNS Server Administration](#)
- [Red Hat Linux 6 Server](#)
- [Pro Ubuntu Server Administration](#)
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- [Mastering Linux Security And Hardening](#)
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- [Linux Server Cookbook](#)
- [Linux In Action](#)