Professional Baking 6th Edition Sysctl Net

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BSD Hacks Addison-Wesley Professional
Lovelace provides an introduction to Ada 95, one of the most widely used programming languages in the world. Although the reader is assumed to have a basic understanding of programming, no prior exposure to Ada is assumed and all the basics of the language are covered. The book comprises eighteen chapters each of which is composed of short sections designed to cover a small number of key concept and to provide a test question to check the reader's understanding of the concepts covered. Each chapter then concludes with a small quiz to help ensure that the reader has grasped the principles covered in the chapter. One of Ada 95's new features, its object-oriented facilities, is covered in depth, and all of the essential features of Ada programming are covered thoroughly. In Ada 95 significant enhancements were also added to Ada's ability to interface with other programming languages (such as C, Fortran, and Cobol) and these are covered in one chapter. As a result both students and professional programmers learning Ada for the first time will welcome this new text.

Cyber Warfare "O'Reilly Media, Inc."
To thoroughly understand what makes Linux tick and why it's so efficient, you need to delve deep into the heart of the operating system--into the Linux kernel itself. The kernel is Linux--in the case of the Linux operating system, it's the only bit of software to which the term "Linux" applies. The kernel handles all the requests or completed I/O operations and determines which programs will share its processing time, and in what order. Responsible for the sophisticated memory management of the whole system, the Linux kernel is the force behind the legendary Linux efficiency. The new edition of Understanding the Linux Kernel takes you on a guided tour through the most significant data structures, many algorithms, and programming tricks used in the kernel. Probing beyond the superficial features, the authors offer valuable insights to people who want to know how things really work inside their machine. Relevant segments of code are dissected and discussed line by line. The book covers more than just the functioning of the code, it explains the theoretical underpinnings for why Linux does things the way it does. The new edition of the book has been updated to cover version 2.4 of the kernel, which is quite different from version 2.2: the virtual memory system is entirely new, support for multiprocessor systems is improved, and whole new classes of hardware devices have been added. The authors explore each new feature in detail. Other topics in the book include: Memory management including file buffering, process swapping, and Direct memory Access (DMA) The Virtual Filesystem and the Second Extended Filesystem Process creation and scheduling Signals, interrupts, and the essential interfaces to device drivers Timing Synchronization in the kernel Interprocess Communication (IPC) Program execution Understanding the Linux Kernel, Second Edition will acquaint you with all the inner workings of Linux, but is more than just an academic exercise. You'll learn what conditions bring out Linux's best performance, and you'll see how it meets the challenge of providing good system response during process scheduling, file access, and memory management in a wide variety of environments. If knowledge is power, then this book will help you make the most of your Linux system.

Platform Engineering on Kubernetes Psychology Press
Work with Oracle database's high-availability and disaster-management technologies. This book covers all the Oracle high-availability technologies in one place and also discusses how you configure them in engineered systems and cloud services. You will see that when you say your database is healthy, it is not limited to whether the database is performing well on day-to-day operations; rather it should also be robust and free from disasters. As a result, your database will be capable of handling unforeseen incidents and recovering from disaster with very minimal or zero downtime. Oracle High Availability, Disaster Recovery, and Cloud Services explores all the high-availability features of Oracle database, how to configure them, and best practices. After you have read this book you will have mastered database high-availability concepts such as RAC, Data Guard, OEM 13c, and engineered systems (Oracle Exadata x6/x7 and Oracle Database Appliance). What You Will Learn Master the best practices and features of Exadata and ODA Implement and monitor high availability with OEM 13c Clone databases using various methods in Oracle 12c R2 Work with the Oracle sharding features of Oracle 12c R2 Who This Book Is ForOracle database administrators

Linux System Programming "O'Reilly Media, Inc."
Market_Desc: · Network and System Administrators · Students · Power Users · Small Businesses · Educators · Serious Hobbyists Special Features: · Linux Market Leader: Red Hat is the leading Linux distribution in the US · New material. Coverage of RHEL4, exercises added throughout the book, and 4 CDs with full Fedora Core 4 installation. New coverage on SE Linux security basics, the desktop and applications, Network File Systems version 4, how to configure a database server, now to create a VNC server, how to provide web services (IRC, RSS feeds, mailing lists)and how to provide convenience services such as a CMS, a streaming multimedia server, a PalmPilot sync server, and time server (NTP) · Linux Market share growing: The latest IDC finding projected overall market revenue for Linux desktops, servers and packaged software will exceed $35 billion by 2008, and found packaged software is the fastest growing Linux revenue segment, growing 44% annually to more than $14 billion in 2008. A recent Goldman, Sachs survey shows that 39% of large corporations now use Linux. Linux runs more than 25% of all corporate servers currently. (Business Week) About The Book: Red Hat Linux Networking and System Administration, 3 edition starts with the basics-network planning and Red Hat installation and configuration. New features covered in this book include the spring Fedora and RHEL4 2005 release. The book demonstrates in detail how to set and optimize network and Internet services, monitor Red Hat Linux System Maintenance, the basics of Red Hat Linux security and troubleshooting and problem solving advice. The user will learn how to: establish a network file system;

configure mail services; configure TCP/IP networking and the Network Information System; connect to Microsoft, Apple and Novell networks; use LDAP; configure FTP services; configure mail and web services; maximize use of Red Hat Network; upgrade and customize the kernel; administer users and groups; install and upgrade software packages; and backup and restore the File System.

Chaos Engineering Apress

The Art of UNIX Programming poses the belief that understanding the unwritten UNIX engineering tradition and mastering its design patterns will help programmers of all stripes to become better programmers. This book attempts to capture the engineering wisdom and design philosophy of the UNIX, Linux, and Open Source software development community as it has evolved over the past three decades, and as it is applied today by the most experienced programmers. Eric Raymond offers the next generation of "hackers" the unique opportunity to learn the connection between UNIX philosophy and practice through careful case studies of the very best UNIX/Linux programs.

Bulletproof SSL and TLS Simon and Schuster

Embedded Microcomputer Systems: Real Time Interfacing provides an in-depth discussion of the design of real-time embedded systems using 9S12 microcontrollers. This book covers the hardware aspects of interfacing, advanced software topics (including interrupts), and a systems approach to typical embedded applications. This text stands out from other microcomputer systems books because of its balanced, in-depth treatment of both hardware and software issues important in real time embedded systems design. It features a wealth of detailed case studies that demonstrate basic concepts in the context of actual working examples of systems. It also features a unique simulation software package on the bound-in CD-ROM (called Test Execute and Simulate, or TexaS, for short) – that provides a self-contained software environment for designing, writing, implementing, and testing both the hardware and software components of embedded systems.

Oracle High Availability, Disaster Recovery, and Cloud Services No Starch Press

This practical guidebook explains not only how to get a computer up and running with the FreeBSD operating system, but how to turn it into a highly functional and secure server that can host large numbers of users and disks, support remote access and provide key parts of the Inter

Linux Pocket Guide "O'Reilly Media, Inc."

How to Hack Like a Ghost takes you deep inside the mind of a hacker as you carry out a fictionalized attack against a tech company, teaching cutting-edge hacking techniques along the way. Go deep into the mind of a master hacker as he breaks into a hostile, cloud-based security environment. Sparc Flow invites you to shadow him every step of the way, from recon to infiltration, as you hack a shady, data-driven political consulting firm. While the target is fictional, the corporation ' s vulnerabilities are based on real-life weaknesses in today ' s advanced cybersecurity defense systems. You ' ll experience all the thrills, frustrations, dead-ends, and eureka moments of his mission first-hand, while picking up practical, cutting-edge techniques for penetrating cloud technologies. There are no do-overs for hackers, so your training starts with basic OpSec procedures, using an ephemeral OS, Tor, bouncing servers, and detailed code to build an anonymous, replaceable hacking infrastructure guaranteed to avoid detection. From there, you ' ll examine some effective recon techniques, develop tools from scratch, and deconstruct low-level features in common systems to gain access to the target. Spark Flow ' s clever insights, witty reasoning, and stealth maneuvers teach you how to think on your toes and adapt his skills to your own hacking tasks. You'll learn: How to set up and use an array of disposable machines that can renew in a matter of seconds to change your internet footprint How to do effective recon, like harvesting hidden domains and taking advantage of DevOps automation systems to trawl for credentials How to look inside and gain access to AWS ' s storage systems How cloud security systems like Kubernetes work, and how to hack them Dynamic techniques for escalating privileges Packed with interesting tricks, ingenious tips, and links to external resources, this fast-paced, hands-on guide to penetrating modern cloud systems will help hackers of all stripes succeed on their next adventure.

Electronic and Experimental Music "O'Reilly Media, Inc."

This soup-to-nuts collection of recipes covers everything you need to know to perform your job as a Linux network administrator, whether you're new to the job or have years of experience. With Linux Networking Cookbook, you'll dive straight into the gnarly hands-on work of building and maintaining a computer network. Running a network doesn't mean you have all the answers. Networking is a complex subject with reams of reference material that's difficult to keep straight, much less remember. If you want a book that lays out the steps for specific tasks, that clearly explains the commands and configurations, and does not tax your patience with endless ramblings and meanderings into theory and obscure RFCs, this is the book for you. You will find recipes for: Building a gateway, firewall, and wireless access point on a Linux network Building a VoIP server with Asterisk Secure remote administration with SSH Building secure VPNs with OpenVPN, and a Linux PPTP VPN server Single sign-on with Samba for mixed Linux/Windows LANs Centralized network directory with OpenLDAP Network monitoring with Nagios or MRTG Getting acquainted with IPv6 Setting up hands-free networks installations of new systems Linux system administration via serial console And a lot more. Each recipe includes a clear, hands-on solution with tested code, plus a discussion on why it works. When you need to solve a network problem without delay, and don't have the time or patience to comb through reference books or the Web for answers, Linux Networking Cookbook gives you exactly what you need.

Apache Solr 3.1 Cookbook Packt Pub Limited

The bestselling account of a band of kids from New York who fought an electronic turf war that ranged across some of the nation's most powerful computer systems. "An immensely fun and -- one cannot emphasize this enough -- accessible history of the first outlaws in cyberspace."--Glamour

How to Hack Like a Ghost "O'Reilly Media, Inc."

Cyber Warfare Techniques, Tactics and Tools for Security Practitioners provides a comprehensive look at how and why digital warfare is waged. This book explores the participants, battlefields, and the tools and techniques used during today's digital conflicts. The concepts discussed will give students of information security a better idea of how cyber conflicts are carried out now, how they will change in the future, and how to detect and defend against espionage, hacktivism, insider threats and non-state actors such as organized criminals and terrorists. Every one of our systems is under attack from multiple vectors - our defenses must be ready all the time and our alert systems must detect the threats every time. This book provides concrete examples and real-world guidance on how to identify and defend a network against malicious attacks. It considers relevant technical and factual information from an insider's point of view, as well as the ethics, laws and consequences of cyber war and how computer criminal law may change as a result. Starting with a definition of cyber warfare, the book ' s 15 chapters discuss the following topics: the cyberspace battlefield; cyber doctrine; cyber warriors; logical, physical, and psychological weapons; computer network exploitation; computer network attack and defense; non-state actors in computer network operations; legal system impacts; ethics in cyber warfare; cyberspace challenges; and the future of cyber war. This book is a valuable resource to those involved in cyber warfare activities, including policymakers, penetration testers, security professionals, network and systems administrators, and college instructors. The information provided on cyber tactics and attacks can also be used to assist in developing improved and more efficient procedures and technical defenses. Managers will find the text useful in improving the overall risk management strategies for their organizations. Provides concrete examples and real-world guidance on how to identify and defend your

network against malicious attacks Dives deeply into relevant technical and factual information from an insider's point of view Details the ethics, laws and consequences of cyber war and how computer criminal law may change as a result

Advanced PHP Programming Nelson Engineering

1. East meets West.

Essential Linux Device Drivers Harper Perennial

Since the introduction of Linix version 1.2 in March 1995, a worldwide community has evolved from programmers who were attracted by the reliability and flexibility of this completely free operating system. Now at version 2.0, Linux is no longer simply the operating system of choice for hackers, but is being successfully employed in commercial software development, by Internet providers and in research and teaching. This book is written for anybody who wants to learn more about Linux. It explains the inner mechanisms of Linux from process scheduling to memory management and file systems, and will tell you all you need to know about the structure of the kernel, the heart of the Linux operating system. This New Edition: has been thoroughly updated throughout to cover Linux 2.0 shows you how the Linux operating system actually works so that you can start to program the Linux kernel for yourself introduces the kernel sources and describes basic algorithms and data structures, such as scheduling and task structure helps you to understand file systems, networking, and how systems boot The accompanying CD-ROM contains Slackware distribution 3.1 together with its complete source code, the Linux kernel sources up to version 2.0.27, the PC speaker driver, and a wealth of documentation. 0201331438B04062001

Ada 95 "O'Reilly Media, Inc."

UNIX, UNIX LINUX & UNIX TCL/TK.

Write software that makes the most effective use of the Linux system, including the kernel and core system libraries. The majority of both Unix and Linux code is still written at the system level, and this book helps you focus on everything above the kernel, where applications such as Apache, bash, cp, vim, Emacs, gcc, gdb, glibc, ls, mv, and X exist. Written primarily for engineers looking to program at the low level, this updated edition of Linux System Programming gives you an understanding of core internals that makes for better code, no matter where it appears in the stack. -- Provided by publisher.

Advanced PHP Programming Packt Publishing

“ Probably the most wide ranging and complete Linux device driver book I ’ ve read. ” --Alan Cox, Linux Guru and Key Kernel Developer “ Very comprehensive and detailed, covering almost every single Linux device driver type. ” --Theodore Ts ’ o, First Linux Kernel Developer in North America and Chief Platform Strategist of the Linux Foundation The Most Practical Guide to Writing Linux Device Drivers Linux now offers an exceptionally robust environment for driver development: with today ’ s kernels, what once required years of development time can be accomplished in days. In this practical, example-driven book, one of the world ’ s most experienced Linux driver developers systematically demonstrates how to develop reliable Linux drivers for virtually any device. Essential Linux Device Drivers is for any programmer with a working knowledge of operating systems and C, including programmers who have never written drivers before. Sreekrishnan Venkateswaran focuses on the essentials, bringing together all the concepts and techniques you need, while avoiding topics that only matter in highly specialized situations. Venkateswaran begins by reviewing the Linux 2.6 kernel capabilities that are most relevant to driver developers. He introduces simple device classes; then turns to serial buses such as I2C and SPI; external buses such as PCMCIA, PCI, and USB; video, audio, block, network, and wireless device drivers; user-space drivers; and drivers for embedded Linux – one of today ’ s fastest growing areas of Linux development. For each, Venkateswaran explains the technology, inspects relevant kernel source files, and walks through developing a complete example. · Addresses drivers discussed in no other book, including drivers for I2C, video, sound, PCMCIA, and different types of flash memory · Demystifies essential kernel services and facilities, including kernel threads and helper interfaces · Teaches polling, asynchronous notification, and I/O control · Introduces the Inter-Integrated Circuit Protocol for embedded Linux drivers · Covers multimedia device drivers using the Linux-Video subsystem and Linux-Audio framework · Shows how Linux implements support for wireless technologies such as Bluetooth, Infrared, WiFi, and cellular networking · Describes the entire driver development lifecycle, through debugging and maintenance · Includes reference appendixes covering Linux assembly, BIOS calls, and Seq files

Linux: Embedded Development John Wiley & Sons

Learn how to automate and manage your containers and reduce the overall operation burden on your system. Key Features Use containers to manage, scale and orchestrate apps in your organization Transform the latest concept of Kubernetes 1.10 into examples Expert techniques for orchestrating containers effectively Book Description Kubernetes is an open source orchestration platform to manage containers in a cluster environment. With Kubernetes, you can configure and deploy containerized applications easily. This book gives you a quick brush up on how Kubernetes works with containers, and an overview of main Kubernetes concepts, such as Pods, Deployments, Services and etc. This book explains how to create Kubernetes clusters and run applications with proper authentication and authorization configurations. With real-world recipes, you'll learn how to create high availability Kubernetes clusters on AWS, GCP and in on-premise datacenters with proper logging and monitoring setup. You'll also learn some useful tips about how to build a continuous delivery pipeline for your application. Upon completion of this book, you will be able to use Kubernetes in production and will have a better understanding of how to manage containers using Kubernetes. What you will learn Build your own container cluster Deploy and manage highly scalable, containerized applications with Kubernetes Build high-availability Kubernetes clusters Build a continuous delivery pipeline for your application Track metrics and logs for every container running in your cluster Streamline the way you deploy and manage your applications with large-scale container orchestration Who this book is for This book is for system administrators, developers, DevOps engineers, or any stakeholder who wants to understand how Kubernetes works using a recipe-based approach. Basic knowledge of Kubernetes and Containers is required.

Embedded Microcomputer Systems Feisty Duck

This book is for intermediate Solr Developers who are willing to learn and implement Pro-level practices, techniques, and solutions. This edition will specifically appeal to developers who wish to quickly get to grips with the changes and new features of Apache Solr 5.

Linux Kernel Internals Packt Pub Limited

“ As this book shows, Linux systems are just as functional, secure, and reliable as their proprietary counterparts. Thanks to the ongoing efforts of thousands of Linux developers, Linux is more ready than ever for deployment at the frontlines of the real world. The authors of this book know that terrain well, and I am happy to leave you in their most capable hands. ” – Linus Torvalds “ The most successful sysadmin book of all time – because it works! ” – Rik Farrow, editor of ;login: “ This book clearly explains current technology with the perspective of decades of experience in large-scale system administration. Unique and highly recommended. ” – Jonathan Corbet, cofounder, LWN.net “ Nemeth et al. is the overall winner for Linux administration: it ’ s intelligent, full of insights, and looks at the implementation of concepts. ” – Peter Salus, editorial director, Matrix.net Since 2001, Linux Administration Handbook has been the definitive resource for every Linux ® system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment. Now, the authors have systematically updated this classic guide to address today ’ s most important Linux distributions and most powerful new administrative tools. The authors spell out detailed best practices for every facet of system administration, including storage

management, network design and administration, web hosting, software configuration management, performance analysis, Windows interoperability, and much more. Sysadmins will especially appreciate the thorough and up-to-date discussions of such difficult topics such as DNS, LDAP, security, and the management of IT service organizations. Linux ® Administration Handbook, Second Edition, reflects the current versions of these leading distributions: Red Hat ® Enterprise Linux ® FedoraTM Core SUSE ® Linux Enterprise Debian ® GNU/Linux Ubuntu ® Linux Sharing their war stories and hard-won insights, the authors capture the behavior of Linux systems in the real world, not just in ideal environments. They explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands-on experience.

Apache Solr 4 Cookbook Elsevier

Leverage the power of Linux to develop captivating and powerful embedded Linux projects About This Book Explore the best practices for all embedded product development stages Learn about the compelling features offered by the Yocto Project, such as customization, virtualization, and many more Minimize project costs by using open source tools and programs Who This Book Is For If you are a developer who wants to build embedded systems using Linux, this book is for you. It is the ideal guide for you if you want to become proficient and broaden your knowledge. A basic understanding of C programming and experience with systems programming is needed. Experienced embedded Yocto developers will find new insight into working methodologies and ARM specific development competence. What You Will Learn Use the Yocto Project in the embedded Linux development process Get familiar with and customize the bootloader for a board Discover more about real-time layer, security, virtualization, CGL, and LSB See development workflows for the U-Boot and the Linux kernel, including debugging and optimization Understand the open source licensing requirements and how to comply with them when cohabiting with proprietary programs Optimize your production systems by reducing the size of both the Linux kernel and root filesystems Understand device trees and make changes to accommodate new hardware on your device Design and write multi-threaded applications using POSIX threads Measure real-time latencies and tune the Linux kernel to minimize them In Detail Embedded Linux is a complete Linux distribution employed to operate embedded devices such as smartphones, tablets, PDAs, set-top boxes, and many more. An example of an embedded Linux distribution is Android, developed by Google. This learning path starts with the module Learning Embedded Linux Using the Yocto Project. It introduces embedded Linux software and hardware architecture and presents information about the bootloader. You will go through Linux kernel features and source code and get an overview of the Yocto Project components available. The next module Embedded Linux Projects Using Yocto Project Cookbook takes you through the installation of a professional embedded Yocto setup, then advises you on best practices. Finally, it explains how to quickly get hands-on with the Freescale ARM ecosystem and community layer using the affordable and open source Wandboard embedded board. Moving ahead, the final module Mastering Embedded Linux Programming takes you through the product cycle and gives you an in-depth description of the components and options that are available at each stage. You will see how functions are split between processes and the usage of POSIX threads. By the end of this learning path, your capabilities will be enhanced to create robust and versatile embedded projects. 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: Learning Embedded Linux Using the Yocto Project by Alexandru Vaduva Embedded Linux Projects Using Yocto Project Cookbook by Alex Gonzalez Mastering Embedded Linux Programming by Chris Simmonds Style and approach This comprehensive, step-by-step, pragmatic guide enables you to build custom versions of Linux for new embedded systems with examples that are immediately applicable to your embedded developments. Practical examples provide an easy-to-follow way to learn Yocto project development using the best practices and working methodologies. Coupled with hints and best practices, this will help you understand embedded Linux better.

Solr Cookbook - Third Edition Pearson Education

O'Reilly's Pocket Guides have earned a reputation as inexpensive, comprehensive, and compact guides that have the stuff but not the fluff. Every page of Linux Pocket Guide lives up to this billing. It clearly explains how to get up to speed quickly on day-to-day Linux use. Once you're up and running, Linux Pocket Guide provides an easy-to-use reference that you can keep by your keyboard for those times when you want a fast, useful answer, not hours in the man pages.Linux Pocket Guide is organized the way you use Linux: by function, not just alphabetically. It's not the 'bible of Linux; it's a practical and concise guide to the options and commands you need most. It starts with general concepts like files and directories, the shell, and X windows, and then presents detailed overviews of the most essential commands, with clear examples. You'll learn each command's purpose, usage, options, location on disk, and even the RPM package that installed it.The Linux Pocket Guide is tailored to Fedora Linux--the latest spin-off of Red Hat Linux--but most of the information applies to any Linux system.Throw in a host of valuable power user tips and a friendly and accessible style, and you'll quickly find this practical, to-the-point book a small but mighty resource for Linux users.