

Selinux By Example Using Security Enhanced Linux

David Caplan

The Linux Programmer's Toolbox The Definitive Guide to the Xen Hypervisor The Apache Modules Book Rapid Web Applications with TurboGears CentOS 7 Server Deployment Cookbook Essential Linux Device Drivers SELinux by Example Security in Computing Understanding AJAX American Book Publishing Record Japan Directory The British National Bibliography Understanding New Media SELinux by Example Cumulated Index to the Books Forthcoming Books New Scientist American Banker Choice John Fusco David Chisnall Nick Kew Mark Ramm Timothy Boronczyk Sreekrishnan Venkateswaran Frank Mayer Charles P. Pfleeger Joshua Eichorn . Arthur James Wells Kim H. Veltman Frank Mayer Rose Army

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master the linux tools that will make you a more productive effective programmer the linux programmer s toolbox helps you tap into the vast collection of open source tools available for gnu linux author john fusco systematically describes the most useful tools available on most gnu linux distributions using concise examples that you can easily modify to meet your needs you ll start by learning the basics of downloading building and installing open source projects you ll then learn how open source tools are distributed and what to look for to avoid wasting time on projects that aren t ready for you next you ll learn the ins and outs of building your own projects fusco also demonstrates what to look for in a text editor and may even show you a few new tricks in your favorite text editor you ll enhance your knowledge of the linux kernel by learning how it interacts with your software fusco walks you through the fundamentals of the linux kernel with simple thought provoking examples that illustrate the principles behind the operating system then he shows you how to put this knowledge to use with more advanced tools he focuses on how to interpret output from tools like sar vmstat valgrind strace and apply it to your application how to take advantage of various programming apis to develop your own tools and how to write code that monitors itself next fusco covers tools that help you enhance the performance of your software he explains the principles behind today s multicore cpus and demonstrates how to squeeze the most performance from these systems finally you ll learn tools and techniques to debug your code under any circumstances coverage includes maximizing productivity with editors revision control tools source code browsers and beautifiers interpreting the kernel what your tools are telling you understanding processes and the tools available for managing them

tracing and resolving application bottlenecks with gprof and valgrind streamlining and automating the documentation process rapidly finding help solutions and workarounds when you need them optimizing program code with sar vmstat iostat and other tools debugging ipc with shell commands signals pipes sockets files and ipc objects using printf gdb and other essential debugging tools foreword preface acknowledgments about the author chapter 1 downloading and installing open source tools chapter 2 building from source chapter 3 finding help chapter 4 editing and maintaining source files chapter 5 what every developer should know about the kernel chapter 6 understanding processes chapter 7 communication between processes chapter 8 debugging ipc with shell commands chapter 9 performance tuning chapter 10 debugging index

the xen hypervisor has become an incredibly strategic resource for the industry as the focal point of innovation in cross platform virtualization technology david s book will play a key role in helping the xen community and ecosystem to grow simon crosby cto xensource an under the hood guide to the power of xen hypervisor internals the definitive guide to the xen hypervisor is a comprehensive handbook on the inner workings of xensource s powerful open source paravirtualization solution from architecture to kernel internals author david chisnall exposes key code components and shows you how the technology works providing the essential information you need to fully harness and exploit the xen hypervisor to develop cost effective highperformance linux and windows virtual environments granted exclusive access to the xensource team chisnall lays down a solid framework with overviews of virtualization and the design philosophy behind the xen hypervisor next chisnall takes you on an in depth exploration of the hypervisor s architecture interfaces device support management tools and internals including key information for developers who want to optimize applications for virtual environments he reveals the power and pitfalls of xen in real world examples and includes hands on exercises so you gain valuable experience as you learn this insightful resource gives you a detailed picture of how all the pieces of the xen hypervisor fit and work together setting you on the path to building and implementing a streamlined cost efficient virtual enterprise coverage includes understanding the xen virtual architecture using shared info pages grant tables and the memory management subsystem interpreting xen s abstract device interfaces configuring and managing device support including event channels monitoring with xenstore supporting core devices and adding new device types navigating the inner workings of the xen api and userspace tools coordinating virtual machines with the scheduler interface and api and adding a new scheduler securing near native speed on guest machines using hvm planning for future needs including porting power management new devices and unusual architectures

do you learn best by example and experimentation this book is ideal have your favorite editor and compiler ready you ll encounter example code you ll want to try right away you ve picked the right book this is sure to become the de facto standard guide to writing apache modules rich bowen coauthor apache administrators handbook apache cookbook and the definitive guide to apache mod rewrite a first rate guide to getting the most out of apache as a modular application platform sure to become a must read for any apache programmer from beginner to experienced professional it builds up carefully and meticulously from the absolute basics while including chapters on everything from the popular apache dbd framework to best practices security and debugging noirin plunkett documentation committer to the apache d project and member of the asf conference committee the only comprehensive guide to developing apache 2 x modules and applications apache is more than the world s most popular server it s also an

extraordinarily powerful and extensible development platform now apachetutor.org s nick kew has written the apache modules book the first start to finish example rich guide for every developer who wants to make the most of apache kew begins with detailed accessible introductions to apache s architecture and api then illuminates all the techniques you ll need from request processing through code security he brings together the best of both worlds powerful c based techniques for accomplishing tasks perl or php can t handle implemented with tools that deliver all the productivity you d expect from higher level languages utilizing realistic code samples kew introduces techniques documented in no other book and often nowhere else at all coverage includes using apache portable runtime apr to streamline c development and avoid its pitfalls leveraging apache dbd to build applications far more scalable than classic lamp software working with the latest apache 2 x features filter modules xml support and smart proxies mastering best practices from thread safety to multi platform development utilizing the apache authentication framework tracing and debugging problems in both apache and your custom modules foreword preface acknowledgments about the author chapter 1 applications development with apache chapter 2 the apache platform and architecture chapter 3 the apache portable runtime chapter 4 programming techniques and caveats chapter 5 writing a content generator chapter 6 request processing cycle and metadata handlers chapter 7 aaa access authentication and authorization chapter 8 filter modules chapter 9 configuration for modules chapter 10 extending the api chapter 11 the apache database framework chapter 12 module debugging appendix a apache license appendix b contributor license agreements appendix c hypertext transfer protocol http 1 1 index about the site apachetutor.org contains code examples from the book all designed for easy use and integration into existing applications

master turbogears the easy python framework for rapid development turbogears harnesses the power of python to provide a dynamic and easy to use development framework one that dramatically increases developer productivity and makes it far easier to create dynamic user friendly ajax enabled applications now for the first time there s a definitive guide to turbogears coauthored by its creator kevin dangoor this book will help experienced developers get productive with turbogears fast you ll quickly build your first turbogears application then extend it one step at a time mastering the underlying libraries that make these enhancements possible next the authors demonstrate turbogears at work in a real world application by examining the code for whatwhat status an open source project status tracking application finally you ll gain deep insight into the model view and controller technologies turbogears is built upon knowledge that will help you build far more robust and capable python applications coverage includes understanding the architecture of a turbogears application mastering sqlobject customizing it and using it with turbogears models utilizing turbogears view technologies including dynamic templates and mochikit for ajax bringing css xhtml and javascript together in reusable components with turbogears widgets using cherrypy and turbogears controller technologies from decorators to deployment exploring the turbogears toolbox ensuring security and managing user access permissions in turbogears applications

deploy and manage today s essential services on an enterprise class open operating system about this book configure and manage linux servers in varying scenarios and for a range of business requirements explore the up to date features of centos using real world scenarios see practical and extensive recipes to deploy and manage centos who this book is for this book is for linux professionals with basic unix linux functionality experience perhaps even

having set up a server before who want to advance their knowledge in administering various services what you will learn see how to deploy centos easily and painlessly even in multi server environments configure various methods of remote access to the server so you don't always have to be in the data center make changes to the default configuration of many services to harden them and increase the security of the system learn to manage dns emails and web servers protect yourself from threats by monitoring and logging network intrusion and system intrusion attempts rootkits and viruses take advantage of today's powerful hardware by running multiple systems using virtualization in detail centos is derived from red hat enterprise linux rhel sources and is widely used as a linux server this book will help you to better configure and manage linux servers in varying scenarios and business requirements starting with installing centos this book will walk you through the networking aspects of centos you will then learn how to manage users and their permissions software installs disks filesystems and so on you'll then see how to secure connection to remotely access a desktop and work with databases toward the end you will find out how to manage dns emails web servers and more you will also learn to detect threats by monitoring network intrusion finally the book will cover virtualization techniques that will help you make the most of centos style and approach this easy to read cookbook is filled with practical recipes hands on task based exercises will present you with real world solutions to deploy and manage centos in varying business scenarios

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

this is an overview to the concepts and architecture of the nsa's selinux with this text the

reader will develop a deep understanding of and learn to effectively use selinux it teaches how to use selinux to build secure systems and explores tools and techniques for writing effective selinux policies

the new state of the art in information security now covers the economics of cyber security and the intersection of privacy and information security for years it and security professionals and students have turned to security in computing as the definitive guide to information about computer security attacks and countermeasures in their new fourth edition charles p pfleeger and shari lawrence pfleeger have thoroughly updated their classic guide to reflect today s newest technologies standards and trends the authors first introduce the core concepts and vocabulary of computer security including attacks and controls next the authors systematically identify and assess threats now facing programs operating systems database systems and networks for each threat they offer best practice responses security in computing fourth edition goes beyond technology covering crucial management issues faced in protecting infrastructure and information this edition contains an all new chapter on the economics of cybersecurity explaining ways to make a business case for security investments another new chapter addresses privacy from data mining and identity theft to rfid and e voting new coverage also includes programming mistakes that compromise security man in the middle timing and privilege escalation attacks application threats and vulnerabilities networks of compromised systems bots botnets and drones rootkits including the notorious sony xcp wi fi network security challenges standards and techniques new malicious code attacks including false interfaces and keystroke loggers improving code quality software engineering testing and liability approaches biometric authentication capabilities and limitations using the advanced encryption system aes more effectively balancing dissemination with piracy control in music and other digital content countering new cryptanalytic attacks against rsa des and sha responding to the emergence of organized attacker groups pursuing profit

ajax fast mastery for experienced developers already an experienced developer apply your skills in today s fastest growing area of development ajax building on what you already know this fast paced guide will show you exactly how to create rich usable internet applications joshua eichorn teaches through sophisticated code examples including extensive server side php code you won t just learn how to code ajax applications eichorn covers the entire development lifecycle from use cases and design through debugging he also presents detailed application case studies including a start to finish update of a non ajax application that addresses everything from feature improvements to changing usage patterns coverage includes how ajax changes the conventional development cycle problems created by the ajax paradigm and how to avoid them adding ajax to existing applications key considerations using core ajax technologies including the xmlhttprequest object consuming data returned to an ajax application using both xslt and json building more usable ajax applications guidelines and downloadable resources use cases solving real world problems in the ajax environment libraries and toolkits for simplifying ajax development including sarissa scriptaculous and html ajax a complete guide to ajax debugging supporting browsers without xmlhttprequest by using iframes or cookies json data encoding debugging guide which covers tools for firefox and internet explorer a list of libraries which includes php net java and other libraries that can be used with any server language

ssd

wi fi

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libreoffice

this book outlines the development currently underway in the technology of new media and looks further to examine the unforeseen effects of this phenomenon on our culture our philosophies and our spiritual outlook

selinux bring world class security to any linux environment selinux offers linux unix integrators administrators and developers a state of the art platform for building and maintaining highly secure solutions now that selinux is included in the linux 2.6 kernel and delivered by default in fedora core red hat enterprise linux and other major distributions it is easier than ever to take advantage of its benefits selinux by example is the first complete hands on guide to using selinux in production environments authored by three leading selinux researchers and developers it illuminates every facet of working with selinux from its architecture and security object model to its policy language the book thoroughly explains selinux sample policies including the powerful new reference policy showing how to quickly adapt them to your unique environment it also contains a comprehensive selinux policy language reference and covers exciting new features in fedora core 5 and the upcoming red hat enterprise linux version 5 thoroughly understand selinux's access control and security mechanisms use selinux to construct secure systems from the ground up gain fine grained control over kernel resources write policy statements for type enforcement roles users and constraints use optional multilevel security to enforce information classification and manage users with diverse clearances create conditional policies that can be changed on the fly define manage and maintain selinux security policies develop and write new selinux security policy modules leverage emerging selinux technologies to gain even greater flexibility effectively administer any selinux system

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