

Security Strategies In Linux Platforms And Applications Jones Bartlett Learning

Information Systems Security Assurance

Security Strategies in Linux Platforms and Applications
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the second edition of security strategies in linux platforms and applications covers every major aspect of security on a linux system written by an industry expert this book is divided into three natural parts to illustrate key concepts in the field it opens with a discussion of the risks threats and vulnerabilities associated with linux as an operating system using current examples and cases part 2 discusses how to take advantage of the layers of security available to linux user and group options filesystems and security options for important services as well as the security modules associated with apparmor and selinux the

book closes with a look at the use of both open source and proprietary tools when building a layered security strategy for linux operating system environments using real world examples and exercises this useful resource incorporates hands on activities to walk readers through the fundamentals of security strategies related to the linux system

part of the new jones bartlett learning information systems security assurance series security strategies in linux platforms and applications covers every major aspect of security on a linux system written by an industry expert this book is divided into three natural parts to illustrate key concepts in the field it opens with a discussion on the risks threats and vulnerabilities associated with linux as an operating system using examples from red hat enterprise linux and ubuntu part 2 discusses how to take advantage of the layers of security available to linux user and group options filesystems and security options for important services as well as the security modules associated with apparmor and selinux the book closes with a look at the use of both open source and proprietary tools when building a layered security strategy for linux operating system environments using real world examples and exercises this useful resource incorporates hands on activities to walk students through the fundamentals of security strategies related to the linux system

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the third edition of security strategies in linux platforms and applications covers every major aspect of security on a linux system using real world examples and exercises this useful resource incorporates hands on activities to walk readers through the fundamentals of security strategies related to the linux system written by an industry expert this book is divided into three natural parts to illustrate key concepts in the field it opens with a discussion of the risks threats and vulnerabilities associated with linux as an operating system using current examples and cases part 2 discusses how to take advantage of the layers of security available to linux user and group options filesystems and security options for important services the book closes with a look at the use of both open source and proprietary tools when building a layered security strategy for linux operating system environments part of the jones bartlett learning information systems security assurance series click here to learn more mapped to linux that spans linux essentials and linux securityaccounts for the latest linux distributions and kernels including end of life for centoscovers new linux based technologies and security strategiesdiscusses the microsoft acquisition of red hat and rise of commercialized open sourcecoverage of virtualization including coverage of docker and other sandboxing technologies like firejainstructor resources include an instructor guide slides in powerpoint format a test guide sample syllabi time on task documentation and a content map linux operating systemsintroduction to unix linuxlinux operating system securitylinux administrationsecuring linux systemslinux networking and security 2024 500 pages

linux for beginners master the basics of linux command line and system administration a step by step guide for new users and it enthusiasts linux is more than just an operating system it s a gateway to digital freedom security and efficiency whether you re an aspiring it professional a curious tech enthusiast or someone looking to break free from the constraints of traditional operating systems this book is your essential guide to mastering linux from the ground up inside this book you ll discover installing linux a step by step guide to setting up linux on your system understanding the linux file system how linux organizes files and directories basic linux commands essential commands for file management and navigation user and permission management creating users setting permissions and understanding root access package management installing and updating software efficiently with apt yum and more networking in linux configuring wi fi ethernet and troubleshooting connectivity issues linux security basics firewalls encryption and best practices for safeguarding your system with this book you ll gain hands on experience practical knowledge and the confidence to navigate linux like a pro whether you re setting up your first linux machine or looking to deepen your understanding this guide provides the tools you need to succeed scroll up and grab your copy today

the third edition of security strategies in linux platforms and applications covers every major aspect of security on a linux system using real world examples and exercises this useful resource incorporates hands on activities to walk readers through the fundamentals of security strategies related to the linux system written by an industry expert this book is divided into three natural parts to illustrate key concepts in the field it opens with a discussion of the risks threats and vulnerabilities associated with linux as an operating system using current examples and cases part 2 discusses how to take advantage of the layers of security available to linux user and group options filesystems and security options for important services the book closes with a look at the use of both open source and proprietary tools when building a layered security strategy for linux operating system environments cloud labs for security strategies in linux platforms and applications provide 180 day access to a fully immersive mock it infrastructures with live virtual machines and real software where students will learn and practice the foundational information security skills they will need to excel in their future careers unlike simulations these hands on virtual labs reproduce the complex challenges of the real world without putting an institution s assets at risk available as a standalone lab solution or bundled with jones bartlett learning textbooks cybersecurity cloud labs are an essential tool for mastering key course concepts through hands on training labs lab 1 installing a core linux operating system on a server lab 2 configuring basic security controls on a centos linux server lab 3 hardening security with user account management and security controls lab 4 applying hardened linux filesystem security controls lab 5 hardening security for linux services and applications lab 6 hardening security by controlling access lab 7 hardening security for the linux kernel lab 8 applying best practices for secure software management lab 9 applying best practices for security monitoring and logging lab 10 defining linux os and application backup and recovery procedure

linux is being adopted by an increasing number of embedded systems developers who have been won over by its sophisticated scheduling and networking its cost free license its open development model and the support offered by rich and powerful programming tools while there is a great deal of hype surrounding

the use of linux in embedded systems there is not a lot of practical information building embedded linux systems is the first in depth hard core guide to putting together an embedded system based on the linux kernel this indispensable book features arcane and previously undocumented procedures for building your own gnu development toolchain using an efficient embedded development framework selecting configuring building and installing a target specific kernel creating a complete target root filesystem setting up manipulating and using solid state storage devices installing and configuring a bootloader for the target cross compiling a slew of utilities and packages debugging your embedded system using a plethora of tools and techniques details are provided for various target architectures and hardware configurations including a thorough review of linux s support for embedded hardware all explanations rely on the use of open source and free software packages by presenting how to build the operating system components from pristine sources and how to find more documentation or help this book greatly simplifies the task of keeping complete control over one s embedded operating system whether it be for technical or sound financial reasons author karim yaghmour a well known designer and speaker who is responsible for the linux trace toolkit starts by discussing the strengths and weaknesses of linux as an embedded operating system licensing issues are included followed by a discussion of the basics of building embedded linux systems the configuration setup and use of over forty different open source and free software packages commonly used in embedded linux systems are also covered uclibc busybox u boot openssh t d tftp strace and gdb are among the packages discussed

the laboratory manual to accompany security strategies in linux platforms and applications is the lab companion to the information systems and security series title security strategies in linux platforms and applications it provides hands on exercises using the jones bartlett learning virtual security cloud labs that provide real world experience with measurable learning outcomes about the series visit issaseries.com for a complete look at the series the jones bartlett learning information system assurance series delivers fundamental it security principles packed with real world applications and examples for it security cybersecurity information assurance and information systems security programs authored by certified information systems security professionals cissps and reviewed by leading technical experts in the field these books are current forward thinking resources that enable readers to solve the cybersecurity challenges of today and tomorrow

virtualizing and tuning large scale java platforms technical best practices and real world tips for optimizing enterprise java applications on vmware vsphere enterprises no longer ask can java be virtualized today they ask just how large can we scale virtualized java application platforms and just how efficiently can we tune them now the leading expert on java virtualization answers these questions offering detailed technical information you can apply in any production or qa test environment emad benjamin has spent nine years virtualizing vmware s own enterprise java applications and working with nearly 300 leading vmware customers on projects of all types and sizes from 100 jvms to 10 000 with heaps from 1gb to 360gb and including massive big data applications built on clustered jvms reflecting all this experience he shows you how to successfully size and tune any java workload this reference and performance cookbook

identifies high value optimization opportunities that apply to physical environments virtual environments or both you learn how to rationalize and scale existing java infrastructure modernize architecture for new applications and systematically benchmark and improve every aspect of virtualized java performance throughout benjamin offers real performance studies specific advice and from the trenches insights into monitoring and troubleshooting coverage includes performance issues associated with large scale java platforms including consolidation elasticity and flexibility technical considerations arising from theoretical and practical limits of java platforms building horizontal in memory databases with vmware vfabric sqlfire to improve scalability and response times tuning large scale java using throughput parallel gc and concurrent mark and sweep cms techniques designing and sizing a new virtualized java environment designing and sizing new large scale java platforms when migrating from physical to virtualized deployments designing and sizing large scale java platforms for latency sensitive in memory databases real world performance studies sqlfire vs rdbms spring based java web apps vfabric springtrader application tiers data tiers and more performance differences between esxi3 4 1 and 5 best practice considerations for each type of workload architecture performance design sizing and high availability identifying bottlenecks in the load balancer web server java application server or db server tiers advanced vsphere java performance troubleshooting with esxtop performance faqs answers to specific questions enterprise customers have asked

open source is a free resource available to anyone's contribution and open to collaboration between technical professionals resulting in increased reliability more customization operations and faster solutions than ever before this book helps readers understand just how to integrate open source resources as an enterprise solution midwest

this is linux for those of us who don't mind typing all linux users and administrators tend to like the flexibility and speed of linux administration from the command line in byte sized chunks instead of fairly standard graphical user interfaces beginning the linux command line is verified against all of the most important linux distributions and follows a task oriented approach which is distribution agnostic now this second edition of beginning the linux command line updates to the very latest versions of the linux operating system including the new btrfs file system and its management and systemd boot procedure and firewall management with firewalld updated to the latest versions of linux work with files and directories including btrfs administer users and security and deploy firewalld understand how linux is organized to think linux

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linux is a certification developed by the computer technology industry association comptia in response to demands for a skills assessment mechanism for linux system administrators this text is aimed at individuals preparing for the linux exam

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