

Practical Ruby For System Administration Experts

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early system administration required in depth knowledge of a variety of services on individual systems now the job is increasingly complex and different from one company to the next with an ever growing list of technologies and third party services to integrate how does any one individual stay relevant in systems and services this practical guide helps anyone in operations sysadmins automation engineers it professionals and site reliability engineers understand the essential concepts of the role today collaboration automation and the evolution of systems change the fundamentals of operations work no matter where you are in your journey this book provides you the information to craft your path to advancing essential system administration skills author jennifer davis provides examples of modern practices and tools with recommended materials to advance your skills topics include development and testing version control fundamentals of virtualization and containers testing and architecture review deploying and configuring services infrastructure management networks security storage serverless and release management scaling administration monitoring and observability capacity planning log management and analysis and security and compliance

this essential guide covers all aspects of linux system administration from user maintenance backups filesystem housekeeping storage management and network setup to hardware and software troubleshooting and some application management it's both a practical daily reference manual for sysadmins and it pros and a handy study guide for those taking linux certification exams you'll turn to it frequently not only because of the sheer volume of valuable information it provides but because of

the real world examples within and the clear useful way the information is presented with this book at your side you'll be able to install linux and perform initial setup duties such as connecting to a network navigate the linux filesystem via the command line install software from repositories and source and satisfy dependencies set permissions on files and directories create modify and remove user accounts set up networking format and mount filesystems perform basic troubleshooting on hardware and software create and manage logical volumes work with selinux manage a firewall and iptables shut down reboot and recover a system perform backups and restores

starts with the basics of red hat the leading linux distribution in the us such as network planning and red hat installation and configuration offers a close look at the new red hat enterprise linux 4 and fedora core 4 releases new chapters cover configuring a database server creating a vnc server monitoring performance providing services exploring selinux security basics and exploring desktops demonstrates how to maximize the use of red hat network upgrade and customize the kernel install and upgrade software packages and back up and restore the file system the four cds contain the full fedora core 4 distribution

a system administrator systems administrator or sysadmin is a person employed to maintain and operate a computer system and or network system administrators may be members of an information technology it or electronics and communication engineering department the duties of a system administrator are wide ranging and vary widely from one organization to another sysadmins are usually charged with installing supporting and maintaining servers or other computer systems and planning for and responding to service outages and other problems other duties may include scripting or light programming project management for systems related projects supervising or training computer operators and being the consultant for computer problems beyond the knowledge of technical support staff to perform his or her job well a system administrator must demonstrate a blend of technical skills and responsibility this book is your ultimate resource for system administration here you will find the most up to date information analysis background and everything you need to know in easy to read chapters with extensive references and links to get

you to know all there is to know about system administration right away covering list of systems management systems system administrator absolute manage accelops actionpacked networks adrem software advanced configuration and power interface application performance management application service architecture application service automation application service management automatic server discovery automounter bastard operator from hell big data boot bruce perens open source series business transaction management business transaction performance ca spectrum cfengine common authentication service adapter conky software console server conversational programming system cpu speed pro cpu z cross zone scripting cygwin data palette deep freeze software disk quota disown unix downtime eventtracker pulse filesystem hierarchy standard flexnet publisher floating licensing fully automatic installation ganglia software goverlan remote administration suite headless system high availability hp insight manager hp integrated lights out hp opencall hp openview hp temip software htop iftop in database processing list of inferno applications instrumentation computer programming integrated remote management controller intelligent platform management interface intrusion prevention system iostat ipswitch inc kace networks ksar unix sar grapher landesk league of professional system administrators license manager list of unix utilities log management knowledge base log monitor loginventory loglogic logzilla m23 software distribution system magic sysrq key maintenance operations protocol microsoft management console mimic simulator monolith software multiseat configuration n 1 redundancy nc sa net snmp netconf netdirector nimsoft nmon novell zenworks oa m onesis open platform management architecture openmanage opennms opsi oracle enterprise manager ops center packettrap paessler panorama9 password cracking pc weasel 2000 list of plan 9 applications plixer international pragma systems quattor raritan inc real time adaptive security remote administration rmclock rsyslog runbook sage organization sage au sar unix scalability service availability service pack sharing in paging system simple network management protocol software deployment software metering solarwinds spiceworks splunk standard operating environment su unix superuser sysload software syslog and much more this book explains in depth the real drivers and workings of system administration it reduces the risk of your technology time and resources investment decisions by enabling you to compare

your understanding of system administration with the objectivity of experienced professionals

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discover the foundational principles and advanced strategies of unix and linux system administration with this comprehensive guide this book provides a thorough exploration of the essential tools techniques and best practices that every system administrator needs to master whether you're managing a single server or a vast network this resource equips you with the knowledge to ensure your systems run smoothly and securely the book begins with a captivating overview of unix and linux systems providing a clear understanding of their architecture and core functionalities it then delves into the critical aspects of system administration covering topics such as user management file system handling and network configuration detailed explanations and practical examples illustrate how to efficiently manage user accounts control file permissions and set up robust network services each chapter is rich with insights offering step by step guides on automating tasks using shell scripting optimizing system performance and implementing security measures to protect against vulnerabilities the book also addresses advanced topics like virtualization containerization and cloud integration ensuring you're well prepared to handle modern it environments

solaris 10 system administration part ii exam cx 310 202 bill calkins in this book you'll learn advanced topics in solaris 10 system administration for sparc and x86 based systems including administering the network environment in solaris 10 setting up raid metadevices using svm configuring zfs storage pools and file systems configuring

and administering solaris zones and containers administering virtual file systems and swap space creating and administering user and role based access accounts rbac using advanced installation tools to install clone and upgrade the operating system bill s original cert prep guides were used throughout sun s service organization as the ses studied for certification this was not mandated by sun management but happened through word of mouth by those software engineers who had successfully passed the exam in this new edition bill adds a chapter for zfs it includes live upgrade conversion to a zfs root filesystem and zone zfs inter operation plus all chapters have been updated to reflect the solaris 10 10 08 enhancements this new guide remains the best source of preparation for the solaris 10 cert exam brian howard systems engineer solaris ambassador written by a leading solaris expert bill calkins is owner and president of pyramid consulting a computer training and consulting firm specializing in the implementation and administration of open systems he works as a consultant with sun microsystems and has contributed extensively to the solaris certification program and simulation technology he also owns unixed com a website that provides online unix training materials bill has more than 20 years of experience in unix system administration consulting and training at more than 250 different companies and government agencies and has authored several books on solaris informit com examcram isbn 13 978 0 7897 3817 2 isbn 10 0 7897 3817 1

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unlock the full potential of your career with the essential guide to being a system administrator of an infor system by richard aragon this comprehensive manual is designed for both novice and experienced system administrators who want to excel in managing and maintaining infor systems the backbone of many industry specific business applications overview dive into the world of infor system administration with a guide that covers everything from the basics to advanced topics learn to efficiently manage infor cloudsuite infor ln infor m3 infor eam and infor wms ensuring your

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some people plan to become administrators the rest of us are thrust into it we are webmasters hobbyists or just the default technical people on staff who are expected to keep things running after some stumbling around repeating the same steps over and over again and occasionally paying the price when we forget one we realize that we must automate these tasks or suffer endless frustration thus enters perl the perl programming language is ideal for writing quick yet powerful scripts that automate many administrative tasks it's modular it's powerful and it's perfect for managing systems and services on many platforms perl for system administration is designed for all levels of administrators from hobbyists to card carrying sage members sysadmins on multi-platform sites written for several different platforms unix

windows nt and mac os it's a guide to the pockets of administration where perl can be most useful for sites large and small including filesystem management user administration with a dash of xml dns and other network name services database administration using dbi and odbc directory services and frameworks like ldap and adsi using email for system administration working with log files of all kinds each chapter concentrates on a single administrative area discusses the possible pitfalls and then shows how perl comes to the rescue along the way we encounter interesting perl features and tricks with many extended examples and complete programs the scripts included in the book can simply be used as written or with minimal adaptation but it's likely that readers will also get a taste of what perl can do and start extending those scripts for tasks that we haven't dreamed of perl for system administration doesn't attempt to teach the perl language but it is an excellent introduction to the power and flexibility of perl and it whets the appetite to learn more it's for anyone who needs to use perl for system administration and needs to hit the ground running

with 28 new chapters the third edition of the practice of system and network administration innovates yet again revised with thousands of updates and clarifications based on reader feedback this new edition also incorporates devops strategies even for non devops environments whether you use linux unix or windows this new edition describes the essential practices previously handed down only from mentor to protogonist this wonderfully lucid often funny cornucopia of information introduces beginners to advanced frameworks valuable for their entire career yet is structured to help even experts through difficult projects other books tell you what commands to type this book teaches you the cross platform strategies that are timeless devops techniques apply devops principles to enterprise it infrastructure even in environments without developers game changing strategies new ways to deliver results faster with less stress fleet management a comprehensive guide to managing your fleet of desktops laptops servers and mobile devices service management how to design launch upgrade and migrate services measurable improvement assess your operational effectiveness a forty page pain free assessment system you can start using today to raise the quality of all services

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