
Linux System Administration Black Book The Definitive Guide To Deploying And Configuring The Leading Open Source Operating System

UNIX and Linux System Administration Handbook
 How Linux Works
 Setting Up a Linux Intranet Server Visual Black Book
 The Little Black Book of Computer Security
 Tools and Techniques for Linux and Unix Administration
 Python for Unix and Linux System Administration
 Practical Ruby for System Administration
 Linux System Administration Black Book
 The Practice of System and Network Administration
 Perl for System Administration
 Linux: Powerful Server Administration
 The Linux Command Line, 2nd Edition
 Essential Linux fast
 The Linux Operating System and Command Line Guide for Linux Administrators
 A Complete Introduction
 Linux: The Complete Reference, Sixth Edition
 A Problem-Solution Approach
 White Papers
 Guide to UNIX Using Linux
 Linux Network Administrator's Guide
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 Mastering Linux System Administration
 Essential System Administration
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 Linux System Administration Recipes
 Linux System Administration
 What Every Superuser Should Know
 A Complete Introduction
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 A Practical Guide to Linux System Administration
 Linux For Dummies
 Red Hat Enterprise Linux 8 Administration
 The Linux System Administrator's Guide
 Operating Systems
 Volume 1: DevOps and other Best Practices for Enterprise IT
 How to Become a Cutting-edge Linux Administrator
 Three Easy Pieces

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LLOYD RIGOBERTO

UNIX and Linux System Administration Handbook Paraglyph Press
 O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell. As any good

programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides. If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the

new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells

Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security

How Linux Works Addison-Wesley Professional

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.

Setting Up a Linux Intranet Server Visual Black Book Simon and Schuster

Your one-stop guide to Linux--fully revised and expanded Get in-depth coverage of all Linux features, tools, and utilities from this thoroughly updated and comprehensive resource, designed for all Linux distributions. Written by Linux expert Richard Petersen, this book explains how to get up-and-running on Linux, use the desktops and shells, manage applications, deploy servers, implement security measures, and handle system and network administration tasks. With full coverage of the latest platform, Linux: The Complete Reference, Sixth Edition includes details on the very different and popular Debian (Ubuntu) and Red Hat/Fedora software installation and service management tools used by most distributions. This is a must-have guide for all Linux users. Install, configure, and administer any Linux distribution Work with files and folders from the BASH, TCSH, and Z shells Use the GNOME and KDE desktops, X Windows, and display managers Set up office, database, Internet, and multimedia applications Secure data using SELinux, netfilter, SSH, and Kerberos Encrypt network transmissions with GPG, LUKS, and IPsec Deploy FTP, Web, mail, proxy, print, news, and database servers Administer system resources using HAL, udev, and virtualization (KVM and Xen) Configure and maintain IPv6, DHCPv6, NIS, networking, and remote access Access remote files and devices using NFSv4, GFS, PVFS, NIS, and SAMBA

The Little Black Book of Computer Security Coriolis Group

Whether you're a systems administrator or a home user, you need to understand how Linux internals work before you can really master Linux — how it boots, how networking works, how to customize the kernel, and even what hardware to buy. How Linux Works contains the kind of information normally handed down from wizards—knowledge that comes from years of experience doing things the hard way. But instead of seeking the right incantation to make your system work, you can read How Linux Works to see how to administer Linux and why each particular technique works. This book covers such need-to-know topics as: -How Linux boots, with coverage of boot loaders and init -How networking, interfaces, firewalls, and servers work -How development tools and shared libraries work -How the kernel manages devices,

device drivers, and processes, and how to build a custom kernel -How the Linux printing system works, with sections on cups, filters, and Ghostscript -How shell scripts work With its combination of background theory and real-world examples, How Linux Works will show you how to run your system instead of having your system run you.

Tools and Techniques for Linux and Unix Administration "O'Reilly Media, Inc."

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).

Python for Unix and Linux System Administration Coriolis Group

The author focuses solely on how UNIX and Linux system administrators can use well-known tools to automate tasks, even across multiple systems.

Practical Ruby for System Administration "O'Reilly Media, Inc."

The job of Linux systems administrator is interrupt-driven and requires constant learning in byte-wise chunks. This book gives solutions to modern problems—even some you might not have heard of—such as scripting LDAP, making Mac clients play nice with Linux servers, and backup, security, and recovery scripts. Author Juliet Kemp takes a broad approach to scripting using Perl and bash, and all scripts work on Debian or Red Hat lineage distributions. Plus, she dispenses wisdom about time management, dealing with desperate colleagues, and how to avoid reinventing the wheel! Learn how to love LDAP scripting and NFS tuning Make Perl serve you: don't be enslaved by Perl Learn to change, craft, and feel empowered by recipes that change your life

Linux System Administration Black Book Createspace Independent Publishing Platform

A hands-on reference for integrating Linux and NT using Samba, this title covers installation, network file and print servers, network applications, troubleshooting, and sharing of both Linux and Windows resources. The CD-ROM includes a copy of the Red Hat Linux operating system, a copy of Samba, and all code created in the book.

The Practice of System and Network Administration Packt Publishing Ltd

A guide geared toward seasoned Linux and Unix administrators offers practical knowledge for managing a range of Linux systems and servers, covering such topics as installing servers, setting up e-mail systems, and creating shell scripts.

Perl for System Administration No Starch Press

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 protégé. 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 Design guides: Best practices for networks, data centers, email, storage, monitoring, backups and more Management skills: Organization design, communication, negotiation, ethics, hiring and firing, and more Have you ever had any of these problems? Have you been surprised to discover your backup tapes are blank? Ever spent a year launching a new service only to be told the users hate it? Do you have more incoming support requests than you can handle? Do you spend more time fixing problems than building the next awesome thing? Have you suffered from a botched migration of thousands of users to a new service? Does your company rely on a computer that, if it died, can't be rebuilt? Is your network a fragile mess that breaks any time you try to improve it? Is there a periodic "hell month" that happens twice a year? Twelve times a year? Do you find out about problems when your users call you to complain? Does your corporate "Change Review Board" terrify you? Does each division of your company have their own broken way of doing things? Do you fear that automation will replace you, or break more than it fixes? Are you underpaid and overworked? No vague "management

speak" or empty platitudes. This comprehensive guide provides real solutions that prevent these problems and more!

Linux: Powerful Server Administration Packt Publishing Ltd

"As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The *UNIX System Administration Handbook* is one of the few books we ever measured ourselves against." —Tim O'Reilly, founder of O'Reilly Media "This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive." —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security "This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems' history but doesn't bloviate. It's just straight-forward information delivered in a colorful and memorable fashion." —Jason A. Nunnelley *UNIX® and Linux® System Administration Handbook, Fifth Edition*, is today's definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or Linux, this conversational, well-written guide will improve your efficiency and help solve your knottiest problems. *The Linux Command Line, 2nd Edition* John Wiley & Sons Schindler has gathered and organized the system administration-related papers from the copyrighted free Web-based Linux Documentation Project (LDP). With material written by the people who

created and are maintaining and evolving Linux, the book enables broader distribution and use of LDP material through bookstores and educational institutions and also provides an index, table of contents, and explanatory notes. **Essential Linux fast** Pearson Education Develop advanced skills for working with Linux systems on-premises and in the cloud Key Features Become proficient in everyday Linux administration tasks by mastering the Linux command line and using automation Work with the Linux filesystem, packages, users, processes, and daemons Deploy Linux to the cloud with AWS, Azure, and Kubernetes Book Description Linux plays a significant role in modern data center management and provides great versatility in deploying and managing your workloads on-premises and in the cloud. This book covers the important topics you need to know about for your everyday Linux administration tasks. The book starts by helping you understand the Linux command line and how to work with files, packages, and filesystems. You'll then begin administering network services and hardening security, and learn about cloud computing, containers, and orchestration. Once you've learned how to work with the command line, you'll explore the essential Linux commands for managing users, processes, and daemons and discover how to secure your Linux environment using application security frameworks and firewall managers. As you advance through the chapters, you'll work with containers, hypervisors, virtual machines, Ansible, and Kubernetes. You'll also learn how to deploy Linux to the cloud using AWS and Azure. By the end of this Linux book, you'll be well-versed with Linux and have mastered everyday administrative tasks using workflows spanning from on-premises to the cloud. If you also find yourself adopting DevOps practices in the process, we'll consider our mission accomplished. What you will learn Understand how Linux works and learn basic to advanced Linux administration skills Explore the most widely used commands for managing the Linux filesystem, network, security, and more Get to grips with different networking and messaging protocols Find out how Linux security works and how to configure SELinux, AppArmor, and Linux iptables Work with virtual machines and containers and understand container orchestration with Kubernetes Work with containerized workflows using Docker and Kubernetes Automate your configuration management workloads with Ansible Who this book is for If you are a Linux administrator who

wants to understand the fundamentals and as well as modern concepts of Linux system administration, this book is for you. Windows System Administrators looking to extend their knowledge to the Linux OS will also benefit from this book.

The Linux Operating System and Command Line Guide for Linux Administrators Coriolis Group

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.

A Complete Introduction DigitalOcean

A guide for administrators running Unix, Windows NT, or Mac OS platforms demonstrates the use of the programming language in file system management, directory services, user administration, log files, and security and network monitoring

Linux: The Complete Reference, Sixth Edition Apress

One of the fastest ways to learn Linux is with this perennial favorite Eight previous top-selling editions of Linux For Dummies can't be wrong. If you've been wanting to migrate to Linux, this book is the best way to get there. Written in easy-to-follow, everyday terms, Linux For Dummies 9th Edition gets you started by concentrating on two distributions of Linux that beginners love: the Ubuntu LiveCD distribution and the gOS Linux distribution, which comes pre-installed on Everex computers. The book also covers the full Fedora distribution. Linux is an open-source operating system and a low-cost or free alternative to Microsoft Windows; of numerous distributions of Linux, this book covers Ubuntu Linux, Fedora Core Linux, and gOS Linux, and includes them on the DVD. Install new open source software via Synaptic or RPM package managers Use free software to browse the Web, listen to music, read e-mail, edit photos, and even run Windows in a virtualized environment Get acquainted with the Linux command line If you want to get a solid foundation in Linux, this popular, accessible book is for you. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

A Problem-Solution Approach "O'Reilly Media, Inc."

Authors M. Carling and Jim Dennis provide system administrators with expert advice on managing their Linux systems on a daily basis. In-depth coverage delves into the issues of integrating Linux into corporate heterogeneous network

environments.

White Papers System iNetwork

"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® Fedora™ 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.

Guide to UNIX Using Linux Packt Publishing Ltd

"Large-scale enterprise, cloud, and virtualized computing systems have introduced serious performance challenges. Now, internationally renowned performance expert Brendan Gregg has brought together proven methodologies,

tools, and metrics for analyzing and tuning even the most complex environments.

Systems Performance: Enterprise and the Cloud focuses on Linux® and Unix® performance, while illuminating performance issues that are relevant to all operating systems. You'll gain deep insight into how systems work and perform, and learn methodologies for analyzing and improving system and application performance. Gregg presents examples from bare-metal systems and virtualized cloud tenants running Linux-based Ubuntu®, Fedora®, CentOS, and the illumos-based Joyent® SmartOSTM and OmniTI OmniOS®. He systematically covers modern systems performance, including the "traditional" analysis of CPUs, memory, disks, and networks, and new areas including cloud computing and dynamic tracing. This book also helps you identify and fix the "unknown unknowns" of complex performance: bottlenecks that emerge from elements and interactions you were not aware of. The text concludes with a detailed case study, showing how a real cloud customer issue was analyzed from start to finish."--Back cover.

Linux Network Administrator's Guide

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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, how 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.

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