Linux Manuale Per Lamministratore Di Sistema

Gli amministratori di rete si trovano di fronte a sfide differenti. Impostare un server di posta, erogare aree file condivise, regolamentare l'accesso a Internet, gestire gli indirizzi IP, organizzare backup sono solo alcuni esempi. Questo manuale, giunto alla sesta edizione e aggiornato ai moderni approcci alle infrastrutture IT, è una guida alla gestione di questi problemi, organizzata per attività. Ogni capitolo analizza un'esigenza fornendo soluzioni pratiche che possano essere messe in produzione rapidamente. Tutti i servizi trattati riguardano il server centrale e le funzionalità che può erogare, per esempio un'area comune dove salvare i file, il sistema di posta elettronica, il NAS, il firewall, l'antivirus, il database, il meccanismo di accesso in VPN, il DNS, la virtualizzazione di servizi e risorse. Un testo pratico e ricco di ricette per ottenere il meglio dall'integrazione di server Linux anche in ambienti con client Windows e macOS. Le distribuzioni Linux di riferimento per il volume sono CentOS e Ubuntu LTS Server Edition.

Questo manuale è pensato per gli amministratori di rete di piccole e medie imprese italiane, realtà che operano con uno o più server centralizzati e con una serie di client basati su Windows. Capitolo dopo capitolo vengono isolate le esigenze informatiche più comuni fornendo soluzioni pratiche e pronte all'uso che possano essere messe in produzione rapidamente. Nel rispetto delle realtà aziendali in cui si opera, in nessun caso viene suggerito di sostituire le postazioni e i server Windows con macchine Linux. Viene piuttosto consigliato di affiancare le macchine esistenti con soluzioni Linux specifiche. Tutti i servizi trattati riguardano il server centrale e le funzionalità da esso erogate, come per esempio un'area comune dove salvare i file, il sistema di posta elettronica, il fax di rete, il firewall, il database, il meccanismo di accesso in VPN e così via. Un testo agile e pratico, ricco di ricette per ottenere da Linux solo il meglio.

Now covers Red Hat Linux! Written by Evi Nemeth, Garth Snyder, Scott Seebass, and Trent R. Hein with Adam Boggs, Rob Braun, Ned McClain, Dan Crawl, Lynda McGinley, and Todd Miller "This is not a nice, neat book for a nice, clean world. It's a nasty book for a nasty world. This is a book for the rest of us." –Eric Allman and Marshall Kirk McKusick "I am pleased to welcome Linux to the UNIX System Administration Handbook!" –Linus Torvalds, Transmeta "This book is most welcome!" –Dennis Ritchie, AT&T Bell Laboratories This new edition of the world's most comprehensive guide to UNIX system administration is an ideal tutorial for those new to administration and an invaluable reference for experienced professionals. The third edition has been expanded to include "direct from the frontlines" coverage of Red Hat Linux. UNIX System Administration Handbook describes every aspect of system administration–from basic topics to UNIX esoterica–and provides explicit coverage of four popular UNIX systems: This book stresses a practical approach to system administration. It's packed with war stories and pragmatic advice, not just theory and watered-down restatements of the manuals. Difficult subjects such as sendmail, kernel building, and DNS configuration are tackled head-on. Examples are provided for all four versions of UNIX and are drawn from real-life systems–warts and all. "This book is where I turn first when I have system administration questions. It is truly a wonderful resource and always within reach of my terminal." –W. Richard Stevens, author of numerous books on UNIX and TCP/IP "This is a comprehensive guide to the care and feeding of UNIX systems. The authors present the facts along with seasoned advice and numerous real-world examples. Their perspective on the variations among systems is valuable for anyone who runs a heterogeneous computing facility." –Pat Parseghian, Transmeta "We noticed your book on the staff recommendations shelf at our local bookstore: 'Very clear, a masterful interpretation of the subject.' We were most impressed, until we noticed that the same staff member had also recommended Aunt Bea's Mayberry Cookbook." –Shannon Bloomstran, history teacher

The Bash Guide for Beginners (Second Edition) discusses concepts useful in the daily life of the serious Bash user. While a basic knowledge of shell usage is required, it starts with a discussion of shell building blocks and common practices. Then it presents the grep, awk and sed tools that will later be used to create more interesting examples. The second half of the course is about shell constructs such as loops, conditional tests, functions and traps, and a number of ways to make interactive scripts. All chapters come with examples and exercises that will help you become familiar with the theory.

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.

Your step-by-step guide to the latest in Linux Nine previous editions of this popular benchmark guide can't be wrong! Whether you're new to Linux and need a step-by-step guide or are a pro who wants to catch up with recent distributions, Linux For Dummies, 10th Edition has your back. Covering everything from installation to automation, this updated edition focuses on openSUSE and Ubuntu and includes new and refreshed material—as well as chapters on building a web server and creating simple shell scripts. In his friendly, no-jargon style, IT professional and tech higher education instructor Richard Blum draws on more than 10 years of teaching to show you just why Linux's open source operating systems are relied on to run a huge proportion of the world's online infrastructure, servers, supercomputers, and NAS devices—and how you can master them too. Study the thinking behind Linux Choose the right installation approach Pick up the basics—from prepping to desktops Get fancy with music, video, movies, and games Whatever your Linux needs—work, fun, or just a hobby—this bestselling, evergreen guide will get you up and coding in the open source revolution in no time at all.

"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.

Your easy-to-follow step-by-step guide to configuring a Cisco router from the ground up The Accidental Administratortm: Cisco Router Step-by-Step Configuration Guide is packed with more than 30 easy-to-follow interactive exercises, loads of screen captures, and lots of step-by-step examples to help you build a working router from scratch. Easily the most straightforward approach to learning how to configure a Cisco router, this book is filled with practical tips and secrets learned from years of Don s teaching and consulting on Cisco network devices. As a bonus, you won t waste your time on boring theory. All the essentials are covered in chapters on installing, backups and restores, and TCP/IP. You ll learn the nitty-gritty on subnetting, remote administration, routing protocols, static routing, access-control lists, site-to-site VPNs, network address translation (NAT), DHCP, password recovery, and security. There s even an entire chapter on the new Internet Protocol version 6 (IPv6). Here's just some of what you'll find: How to configure and manage access lists How to set up a site-to-site VPN How to implement IPv6 All the information is presented in a straightforward style that you can understand and use right away. With The Accidental Administrator: Cisco Router Step-by-Step Configuration Guide you ll be able to sit down with your routers and build a working configuration in a matter of minutes. Of course, some of the more advanced configs may take a little longer, but even so, you'll be able to "get 'er done" in a minimal amount of time In addition, there are supporting videos and a supporting webpage to provide even more help and updated information.

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Linux. Manuale per l'amministratore di sistemaPearsonLinux Server per l'amministratore di rete. Guida per sfruttare con successo Linux nelle piccole e medie impreseLinux Server per l'amministratore di reteper Ubuntu, CentOS, Fedora CoreApogeo Editore

In this book, the following subjects are included: information security, the risk assessment and treatment processes (with practical examples), the information security controls. The text is based on the ISO/IEC 27001 standard and on the discussions held during the editing meetings, attended by the author. Appendixes include short presentations and check lists. CESARE GALLOTTI has been working since 1999 in the information security and IT process management fields and has been leading many projects for companies of various sizes and market sectors. He has been leading projects as consultant or auditor for the compliance with standards and regulations and has been designing and delivering ISO/IEC 27001, privacy and ITIL training courses. Some of his certifications are: Lead Auditor ISO/IEC 27001, Lead Auditor 9001, CISA, ITIL Expert and CBCI, CIPP/e. Since 2010, he has been Italian delegate for the the editing group for the ISO/IEC 27000 standard family. Web: www.cesaregallotti.it.

Discusses important concepts of Unix system administration, covering such topics as the design of a system, user communication, and disaster recovery.

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions. Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

Linux conferma anno dopo anno di essere il sistema più affidabile in ambiente server, settore dove si dimostra un'alternativa efficace ed economica a Windows. Chiunque lavori come amministratore di rete in una piccola o media impresa si trova di fronte a una serie di compiti: impostare un server di posta, configurare l'accesso a Internet, gestire gli indirizzi IP - solo per fare qualche esempio. Questo libro, giunto alla quarta edizione, è una guida alla soluzione di questi problemi, organizzata per attività e basata su software open source.Frutto dell'esperienza più che decennale dell'autore, tutto il testo è fortemente orientato alla pratica: dato un compito, un obiettivo, quale strumento utilizzare? Quale software usare? Come installarlo e configurarlo correttamente? Tutto con un occhio di riguardo per chi arriva dal mondo Windows.

This book is designed as an Ubuntu 20.04 LTS Server administration and reference source, covering the Ubuntu servers and their support applications. Server tools are covered as well as the underlying configuration files and system

implementations. The emphasis is on what administrators will need to know to perform key server support and management tasks. Coverage of the systemd service management system is integrated into the book. Topics covered include software management, systemd service management, systemd-networkd and Netplan network configuration, AppArmor security, OpenSSH, the Chrony time server, and Ubuntu cloud services. Key servers are examined, including Web, FTP, CUPS printing, NFS, and Samba Windows shares. Network support servers and applications covered include the Squid proxy server, the Domain Name System (BIND) server, DHCP, distributed network file systems, IPtables firewalls, and cloud computing.

The official "Fedora 14 Security Guide" is designed to assist users of Fedora, a Linux distribution built on free and open source software, in learning the processes and practices of securing workstations and servers against local and remote intrusion, exploitation, and malicious activity.

Questo libro copre tutti gli argomenti chiave inerenti l'amministrazione di server di rete finalizzati alla gestione aziendale (intranet) o alla Rete (Internet), fornendo esempi pratici immediatamente utilizzabili, il tutto prestando una particolare attenzione al tema della sicurezza informatica. Il libro parte dai concetti base di networking per mostrare immediatamente come installare e configurare un server di rete basato su Linux capace di sostituire o di coesistere con server basati su NT, tutto ciò investendo meno risorse economiche nell'acquisto di licenze, aumentando la stabilità e la sicurezza del proprio sistema e creando una piattaforma di sviluppo più flessibile. Questo libro si rivolge ai professionisti dell'IT, che abbiano qualche esperienza di amministrazione di ambienti NT, ma che non necessariamente conoscano Linux o sistemi basati su UNIX. L'amministratore di rete esperto potrà approfondire la propria conoscenza di Linux, apprendendo tecniche avanzate; mentre il neofita potrà giovare della guida all'installazione del sistema operativo.

The third edition of Operating Systems has been entirely updated to reflect current core operating system concepts and design considerations. To complement the discussion of operating system concepts, the book features two in-depth case studies on Linux and Windows XP. The case studies follow the outline of the book, so readers working through the chapter material can refer to each case study to see how a particular topic is handled in either Linux or Windows XP. Using Java code to illustrate key points, Operating Systems introduces processes, concurrent programming, deadlock and indefinite postponement, mutual exclusion, physical and virtual memory, file systems, disk performance, distributed systems, security and more. New to this edition are a chapter on multithreading and extensive treatments of distributed computing, multiprocessing, performance, and computer security. An ideal up-to-date book for beginner operating systems readers.

Illustrates the new features of Windows 10.

This collection of tips, tools, and scripts provides clear, concise, hands-on solutions that can be applied to the challenges facing anyone running a network of Linux servers from small networks to large data centers.

Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info

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