

Help for UNIX System Administrators

2nd Edition!
Revised & Updated



Essential

System Administration

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Aleen Frisch

Essential System Administration

Jianjun Gao



Essential System Administration:

Essential System Administration Eileen Frisch, 2002-08-23 Essential System Administration 3rd Edition is the definitive guide for Unix system administration covering all the fundamental and essential tasks required to run such divergent Unix systems as AIX FreeBSD HP UX Linux Solaris Tru64 and more Essential System Administration provides a clear concise practical guide to the real world issues that anyone responsible for a Unix system faces daily The new edition of this indispensable reference has been fully updated for all the latest operating systems Even more importantly it has been extensively revised and expanded to consider the current system administrative topics that administrators need most Essential System Administration 3rd Edition covers DHCP USB devices the latest automation tools SNMP and network management LDAP PAM and recent security tools and techniques Essential System Administration is comprehensive But what has made this book the guide system administrators turn to over and over again is not just the sheer volume of valuable information it provides but the clear useful way the information is presented It discusses the underlying higher level concepts but it also provides the details of the procedures needed to carry them out It is not organized around the features of the Unix operating system but around the various facets of a system administrator's job It describes all the usual administrative tools that Unix provides but it also shows how to use them intelligently and efficiently Whether you use a standalone Unix system routinely provide administrative support for a larger shared system or just want an understanding of basic administrative functions Essential System Administration is for you This comprehensive and invaluable book combines the author's years of practical experience with technical expertise to help you manage Unix systems as productively and painlessly as possible

Essential System Administration Eileen Frisch, 1991 Covers basic UNIX system administration basic referring to the fundamental and essential tasks a system manager performs not necessarily beginning or simple ones Includes command syntax the UNIX structure and the guiding assumptions enabling users to place these commands in context Also offers advice on system administration strategies and procedures Annotation copyrighted by Book News Inc Portland OR *Essential System Administration Pocket Reference* Eileen Frisch, 2007-11-28 If you're a Unix system administrator then the information you need every day just to get your job done could fill a book a very large book But practically speaking you don't want to stop and thumb through a weighty volume each time a problem arises Your answer is the Essential System Administration Pocket Reference the only system administration reference that fits in your pocket Concise and easy to use this little book is the portable companion to the classic Essential System Administration by Eileen Frisch The Essential System Administration Pocket Reference is a quick reference to all the fundamental and essential tasks required to run such divergent Unix systems as Solaris Linux AIX BSD SuSe Red Hat and more Beginners and experienced administrators alike will quickly be able to apply its principles and advice to solve everyday problems The book is divided into three parts Commands Syntax and Their Applications Configuration Files and Formats and Operating System Specific Information The information in this book is a

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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

Network Troubleshooting Tools Joseph D Sloan,2001 Over the years thousands of tools have been developed for debugging TCP IP networks They range from very specialized tools that do one particular task to generalized suites that do just about everything except replace bad Ethernet cables Even better many of them are absolutely free There s only one problem who has time to track them all down sort through them for the best ones for a particular purpose or figure out how to use them Network Troubleshooting Tools does the work for you by describing the best of the freely available tools for debugging and troubleshooting You can start with a lesser known version of ping that diagnoses connectivity problems or take on a much more comprehensive program like MRTG for graphing traffic through network interfaces There s tkined for mapping and automatically monitoring networks and Ethereal for capturing packets and debugging low level problems This book isn t just about the tools available for troubleshooting common network problems It also outlines a systematic approach to network troubleshooting how to document your network so you know how it behaves under normal conditions and how to think about problems when they arise so you can solve them more effectively The topics covered in this book include Understanding your network Connectivity testing Evaluating the path between two network nodes Tools for capturing packets Tools for network discovery and mapping Tools for working with SNMP Performance monitoring Testing application layer protocols Software sources If you re involved with network operations this book will save you time money and needless experimentation

The Essential Guide to UNIX and Linux System Administration: Tools, Techniques, and Best Practices Thanh Blair,2025-03-31 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

Running Linux Matt Welsh,Matthias Kalle Dalheimer,Lar Kaufman,1999 Running Linux explains everything you need to understand install and start using the Linux operating system This book includes a comprehensive installation tutorial complete information on system maintenance tools for document development and programming and guidelines for network file printer and web site administration Book jacket

Learning the UNIX Operating System Jerry D. Peek,Grace Todino,John Strang,1998 If you are new to UNIX this concise introduction will tell you just what you need to get started and no more The fourth edition thoroughly covers the Linux operating system and is an ideal primer for someone just starting with UNIX as well as for Mac and PC users who encounter a UNIX systems over the Internet

UNIX for the MS-DOS User Kenneth Pugh,1994 This volume is designed to help MS DOS programmers become rapidly proficient in the UNIX environment It focuses on the similarities and differences between the two operating systems enabling programmers to perform all the operations they did in MS DOS plus those available only on UNIX systems First considers the operations that most MS DOS users perform and the user interface to the operating system the Shell then explains the features unique to UNIX multi user multi tasking and examines in detail the UNIX shell script files Bourne shell Korn shell C shell which are comparable to MS DOS batch files showing how they produce the same result but whose constructs are different Concludes with an examination of the administration features of UNIX and its text processing utilities For MS DOS users who want to become rapidly proficient in UNIX systems

Java Servlet Programming Jason Hunter,William Crawford,1998 Java servlets offer a fast powerful portable replacement for CGI scripts This book covers everything one needs to write effective servlets Topics include serving dynamic Web content maintaining state information session tracking database connectivity using JDBC and applet servlet communication

Protecting Networks with SATAN Martin Freiss,1998 SATAN performs security audits scanning host computers for security vulnerabilities This book describes how to install and use SATAN and how to adapt it to local requirements and increase its knowledge of specific security vulnerabilities

Proceedings of the Large Installation System Administration of Windows NT Conference ,2000

Rightsizing New Enterprise Harris Kern,Kern,Steve Johnson,1996

The Official Ubuntu Server Book Kyle Rankin,Benjamin Mako Hill,2013-07-12 Ubuntu Server is a complete free server operating system that just works with the extra Ubuntu polish innovation and simplicity that administrators love Now there s a definitive authoritative guide to getting up and running quickly with the newest most powerful versions of Ubuntu Server Written by leading members of the Ubuntu community The Official Ubuntu Server Book Third Edition covers all you need to know to make the most of Ubuntu Server whether you re a beginner or a battle hardened senior systems administrator The authors cover Ubuntu Server from start to finish installation basic administration and monitoring security backup troubleshooting system rescue and much more They

walk through deploying each of the most common server applications from file and print services to state of the art cost saving virtualization and cloud computing In addition you ll learn how to Make the most of Ubuntu Server s latest most powerful technologies Discover easy fast ways to perform key administration tasks Automate Ubuntu installs no matter how many servers you re installing Quickly set up low cost Web servers and e mail Protect your server with Ubuntu s built in and optional security tools Minimize downtime with fault tolerance and clustering Master proven step by step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won t boot Deploy your own Ubuntu servers in the cloud

Java Threads Scott Oaks, Henry Wong, 1997 This book comprehensively covers understanding threads crucial to using Java effectively The authors show readers how to extend Java s threads and facilities Examples are available online

Nortel Networks Troubleshooting and Optimization Ragho Mahalingham, 2001 Covers NNCSS NNCSE certification material

The National Guide to Educational Credit for Training Programs , 2000

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