
Automating Linux And Unix System Administration 2nd Edition

Systems Engineering Approach to Medical Automation
 Modern Industrial Automation Software Design
 Shell Programming in Unix, Linux and OS X
 100 Industrial-Strength Tips and Tools
 Python for Unix and Linux System Administration
 Tools to Make You More Efficient
 The Electronic Design Automation Handbook
 The Fourth Edition of Unix Shell Programming
 Shell Scripting
 Unix Unleashed
 Mastering Linux System Administration
 Automating UNIX and Linux Administration
 Linux Administration Handbook
 Harnessing the Power of Automation for Unix and Linux Systems
 UNIX and Linux System Administration Handbook
 Efficiently perform large-scale Linux infrastructure automation with Ansible
 Oracle Shell Scripting
 Automating UNIX and Linux Administration
 A Tcl-based Toolkit for Automating Interactive Programs
 Linux and UNIX Shell Programming
 Unix and Linux Programming Manual
 Linux Server Hacks
 Perl for System Administration
 Supplement to System Center 2012 Configuration Manager (SCCM) Unleashed
 Talking Directly to the Kernel and C Library
 A Practical Guide to Linux System Administration
 Hands-On Enterprise Automation on Linux
 Expert Recipes for Linux, Bash, and more
 Solutions and Examples for bash Users
 UNIX and Linux System Administration Handbook, 5th Edition
 Automating Linux and Unix System Administration, Second Edition
 Shell Scripting
 Korn Shell Scripting
 Automating Linux and Unix System Administration
 Essential System Administration
 Exploring Expect
 Linux and UNIX Programming for Oracle
 UNIX System Administration Handbook
 Bash, Bourne, and Korn Shell Scripting for Programmers, System Administrators, and UNIX Gurus

Automating Linux And Unix System Administration 2nd Edition

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KAYLYN EVERETT

Systems Engineering Approach to Medical Automation "O'Reilly Media, Inc."

A competent system administrator knows that a Linux server is a high performance system for routing large amounts of information through a network connection. Setting up and maintaining a Linux server requires understanding not only the hardware, but the ins and outs of the Linux operating system along with its supporting cast of utilities as well as layers of applications software. There's basic documentation online but there's a lot beyond the basics you have to know, and this only comes from people with hands-on, real-world experience. This kind of "know how" is what we sought to capture in Linux Server Hacks. Linux Server Hacks is a collection of 100 industrial-strength hacks, providing tips and tools that solve practical problems for Linux system administrators. Every hack can be read in just a few minutes but will save hours of searching for the right answer. Some of the hacks are subtle, many of them are non-obvious, and all of them demonstrate the power and flexibility of a Linux system. You'll find hacks devoted to tuning the Linux kernel to make your system run more efficiently, as well as using CVS or RCS to track the revision to system files. You'll learn alternative ways to do backups, how to use system monitoring tools to track system performance and a variety of secure networking solutions. Linux Server Hacks also helps you manage large-scale Web installations running Apache, MySQL, and other open source tools that are typically part of a Linux system. O'Reilly's new Hacks Series proudly reclaims the term "hacking" for the good guys. Hackers use their ingenuity to

solve interesting problems. Rob Flickenger is an experienced system administrator, having managed the systems for O'Reilly Network for several years. (He's also into community wireless networking and he's written a book on that subject for O'Reilly.) Rob has also collected the best ideas and tools from a number of other highly skilled contributors. Written for users who already understand the basics, Linux Server Hacks is built upon the expertise of people who really know what they're doing.

Modern Industrial Automation Software Design Apress

When I attended college we studied vacuum tubes in our junior year. At that time an average radio had 7 vacuum tubes and better ones even seven. Then transistors appeared in 1960s. A good radio was judged to be one with more than 20 transistors. Later good radios had 15-20 transistors and after that everyone stopped counting transistors. Today modern processors running personal computers have over 10 million transistors and more millions will be added every year. The difference between 20 and 20M is in complexity, methodology and business models. Designs with 20 transistors are easily generated by design engineers without any tools, whilst designs with 20M transistors can not be done by humans in reasonable time without the help of Prof. Dr. Gajski demonstrates the Y-chart automation. This difference in complexity introduced a paradigm shift which required sophisticated methods and tools, and introduced design automation into design practice. By the decomposition of the design process into many tasks and abstraction levels the methodology of designing chips or systems has also evolved. Similarly, the business model has changed from vertical integration, in which one company did all the tasks from product specification to manufacturing, to globally distributed, client server production in which most of the design and manufacturing tasks are outsourced.

Shell Programming in Unix, Linux and OS X Addison-Wesley Professional

Learn how to create and develop shell scripts in a step-by-step manner increasing your knowledge as you progress through the book. Learn how to work the shell commands so you can be more productive and save you time.

100 Industrial-Strength Tips and Tools Artech House

Shell Programming in Unix, Linux and OS X is a thoroughly updated revision of Kochan and Wood's classic Unix Shell Programming tutorial. Following the methodology of the original text, the book focuses on the POSIX standard shell, and teaches you how to develop programs in this useful programming environment, taking full advantage of the underlying power of Unix and Unix-like operating systems. After a quick review of Unix utilities, the book's authors take you step-by-step through the process of building shell scripts, debugging them, and understanding how they work within the shell's environment. All major features of the shell are covered, and the large number of practical examples make it easy for you to build shell scripts for your particular applications. The book also describes the major features of the Korn and Bash shells. Learn how to... Take advantage of the many utilities provided in the Unix system Write powerful shell scripts Use the shell's built-in decision-making and looping constructs Use the shell's powerful quoting mechanisms Make the most of the shell's built-in history and command editing capabilities Use regular expressions with Unix commands Take advantage of the special features of the Korn and Bash shells Identify the major differences between versions of the shell language Customize the way your Unix system responds to you Set up your shell environment Make use of functions Debug scripts Contents at a Glance 1 A Quick Review of the Basics 2 What Is the Shell? 3 Tools of the Trade 4 And Away We Go 5 Can I Quote You on That? 6 Passing Arguments 7 Decisions, Decisions 8 'Round and 'Round She Goes 9 Reading and Printing Data 10 Your Environment 11 More on Parameters 12 Loose Ends 13 Rolo Revisited 14 Interactive and Nonstandard Shell Features A Shell Summary B For More Information

Python for Unix and Linux System Administration Addison-Wesley Professional

Operations Anti-Patterns, DevOps Solutions shows how to implement DevOps techniques in the kind of imperfect environments most developers work in. Part technology tutorial, part reference manual, and part psychology handbook, this practical guide shows you realistic ways to bring DevOps to your team when you don't have the flexibility to make sweeping changes in organizational structure. Summary Operations Anti-Patterns, DevOps Solutions shows how to implement DevOps techniques in the kind of imperfect environments most developers work in. Part technology tutorial, part reference manual, and part psychology handbook, this practical guide shows you realistic ways to bring DevOps to your team when you don't have the flexibility to make sweeping changes in organizational structure. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology To some extent, all organizations—even yours—suffer from poor development practices, garbled communications, and outdated legacy systems. The good news is DevOps can help you improve your processes. First, however, you'll need to recognize the core issues holding you back. This book empowers you to deliver DevOps with limited resources while navigating the office politics and entrenched mindsets that are all too common in actual workplaces. About the book Operations Anti-Patterns, DevOps Solutions offers clear steps for transforming development and communication. Using jargon-free language, this book describes incremental techniques that pay off immediately. Streamline your workflow, manage unplanned time, and build operational metrics. Whatever your issues, this book holds the keys to organizational success. What's inside Turn failure into opportunity Drive change through culture Break down knowledge silos Settle middle management turf wars About the reader For team leaders and managers. About the author Jeffery D. Smith has been in the technology industry for over 15 years. He has managed DevOps transformations at the ad-tech firm Centro and the online ordering platform Grubhub. Table of Contents 1 The DevOps ingredients 2 The paternalist syndrome 3 Operational blindness 4 Data instead of information 5 Quality as a condiment 6 Alert fatigue 7 The empty toolbox 8 Off-hour deployments 9 Wasting a perfectly good incident 10 Information hoarding: Only Brent knows 11 Culture by decree 12 Too many yardsticks

Tools to Make You More Efficient "O'Reilly Media, Inc."

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

The Electronic Design Automation Handbook "O'Reilly Media, Inc."

The book offers you a solid understanding of medical automation principles and the latest applications in the field. You discover how computers and devices can be used to schedule personnel and services, and help maintain a just-in-time, lean, and more affordable medical services. You learn how to automate your pharmacy and laboratory services for maximum profit and minimum turnaround time. Moreover, this forward-looking book helps you determine how nanotechnology is evolving to solve difficult medical challenges.

The Fourth Edition of Unix Shell Programming Packt Publishing Ltd

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

Shell Scripting John Wiley & Sons

The fourth edition of 'Unix Unleashed' will take a different tack from previous editions and other Unix books:It is readable as though it is a series of lectures on individual topics from Unix Wizards. This different approach will take the reader through the following topics: Basic operation of the system and system administration in its simplest form: managing users and disks, starting up and shutting down the system, authenticating user connections, and administering the X Window System. Common subsystems - the typical day-to-day tasks of system administration: sharing files, providing basic web services, printing, e-mail, and backing up the system. The Unix toolset to make system administration more reliable and more powerful, and to administer more complex and important systems running on top of Unix. System administration as a profession: much work needs to be done not to do the job in a purely technical sense but in a practical, real-world sense.

Unix Unleashed Apress

Automating Linux and Unix System AdministrationApress

Mastering Linux System Administration John Wiley & Sons

Python is an ideal language for solving problems, especially in Linux and Unix networks. With this pragmatic book, administrators can review various tasks that often occur in the management of these systems, and learn how Python can provide a more efficient and less painful way to handle them.

Each chapter in Python for Unix and Linux System Administration presents a particular administrative issue, such as concurrency or data backup, and presents Python solutions through hands-on examples. Once you finish this book, you'll be able to develop your own set of command-line utilities with Python to tackle a wide range of problems. Discover how this language can help you: Read text files and extract information Run tasks concurrently using the threading and forking options Get information from one process to another using network facilities Create clickable GUIs to handle large and complex utilities Monitor large clusters of machines by interacting with SNMP programmatically Master the IPython Interactive Python shell to replace or augment Bash, Korn, or Z-Shell Integrate Cloud Computing into your infrastructure, and learn to write a Google App Engine Application Solve unique data backup challenges with customized scripts Interact with MySQL, SQLite, Oracle, Postgres, Django ORM, and SQLAlchemy With this book, you'll learn how to package and deploy your Python applications and libraries, and write code that runs equally well on multiple Unix platforms. You'll also learn about several Python-related technologies that will make your life much easier.

Automating UNIX and Linux Administration "O'Reilly Media, Inc."

Covering all major platforms-Linux, Unix, Mac OS X, and Windows-this guide shows programmers and power users how to customize an operating system, automate commands, and simplify administration tasks using shell scripts Offers complete shell-scripting instructions, robust code examples, and full scripts for OS customization Covers shells as a user interface, basic scripting techniques, script editing and debugging, graphing data, and simplifying administrative tasks In addition to Unix and Linux scripting, the book covers the latest Windows scripting techniques and offers a complete tutorial on Mac OS X scripting, including detailed coverage of mobile file systems, legacy applications, Mac text editors, video captures, and the Mac OS X Open Scripting Architecture

Linux Administration Handbook Addison-Wesley Professional

Learn to harness the programming power that comes standard with all unix and linux systems (including Apple's OSX). This guide encourages hands-on experimentation by including actual scripts that feature the korn shell (ksh), awk, and sed.

Harnessing the Power of Automation for Unix and Linux Systems Packt Publishing Ltd

This manual seeks to provide hands-on advice and technical tips on how to use the Korn Shell features effectively, to customize the Unix/Linux environment, and write, test and debug Korn Shell scripts. It contains hundreds of examples plus complete ready to run sample scripts.

UNIX and Linux System Administration Handbook Automating Linux and Unix System Administration

Wouldnt you like to automate the tedious daily tasks of system administration? Automating UNIX and Linux Administration will show you how, by exploring existing tools and offering real-world examples. Although some of the book is Linux-specific, most of the information applies to any UNIX system, including material on automating tasks across multiple variants of UNIX. Author Kirk Bauer briefly overviews tools and technologies and assumes preliminary knowledge about editing a configuration file or mounting a file system. The techniques, methods, and tools in this book will help you manage a single systembut will prove especially powerful across multiple systems. No matter if the systems are desktops, servers, or Beowulf clustersall of them will benefit from this automation. And managing five to five thousand systems will become a simpler task!

Efficiently perform large-scale Linux infrastructure automation with Ansible "O'Reilly Media, Inc."

UNIX expert Randal K. Michael guides you through every detail of writing shell scripts to automate specific tasks. Each chapter begins with a typical, everyday UNIX challenge, then shows you how to take basic syntax and turn it into a shell scripting solution. Covering Bash, Bourne, and Korn shell scripting, this updated edition provides complete shell scripts plus detailed descriptions of each part. UNIX programmers and system administrators can tailor these to build tools that monitor for specific system events and situations, building solid UNIX shell scripting skills to solve real-world system administration problems.

Oracle Shell Scripting Addison-Wesley Professional

Shell Scripting Made Easy If you want to learn how to write shell scripts like a pro, solve real-world problems, or automate repetitive and complex tasks, read on. Hello. My name is Jason Cannon and I'm the author of Linux for Beginners, Python Programming for Beginners, and an instructor to thousands of satisfied students. I started my IT career in the late 1990's as a Unix and Linux System Engineer and I'll be sharing my real-world shell scripting and bash programming experience with you throughout this book. By the end of this book you will be able to create shell scripts with ease. You'll learn how to take tedious and repetitive tasks and turn them into programs that will save you time and simplify your life on Linux, Unix, or MAC systems. Here is what you will get and learn by reading this Shell Scripting book: A step-by-step process of writing shell scripts that solve real-world problems. The #1 thing you must do every time you create a shell script. How to quickly find and fix the most shell scripting errors. How to accept input from a user and then make decisions on that input. How to accept and process command line arguments. What special variables are available, how to use them in your shell scripts, and when to do so. A shell script creation check list -- You'll never have to guess what to include in each of your shell scripts again. Just use this simple check list. A shell script template (boilerplate). Use this format for each of your shell scripts. It shows exactly what to include and where everything goes. Eliminate guesswork! Practice exercises with solutions so you can start using what you learn right away. Real-world examples of shell scripts from my personal collection. A download that contains the scripts used in the book and lessons. You'll be able to look at and experiment with everything you're learning. Learn to Program Using Any Shell Scirpting Language What you learn in this book can be applied to any shell, however the focus is on the bash shell and you'll learn some really advanced bash features. Again, whether you're using bash, bourne (sh), KornShell (ksh), C shell (csh), Z shell (zsh), or even the tcsh shell, you'll be able to put what you learn in this book to good use. Perfect for Linux, Unix, Mac and More! Also, you'll be able to use these scripts on any Linux environment including Ubuntu, Debian, Linux Mint, RedHat, Fedora, OpenSUSE, Slackware, Kali Linux and more. You're scripts will even run on other operating systems such as Apple's Mac OS X, Oracle's Solaris, IBM's AIX, HP's HP-UX, FreeBSD, NetBSD, and OpenBSD. Scroll up, click the Buy Now With 1 Click button and get started learning Linux today!

Automating UNIX and Linux Administration Apress

Written by the author of Expect, this is the first book to explain how this new part of the UNIX toolbox can be used to automate telnet, ftp, passwd, rlogin, and hundreds of other interactive applications. The book provides lots of practical examples and scripts solving common problems, including a chapter of extended examples.

A Tcl-based Toolkit for Automating Interactive Programs John Wiley & Sons

Achieve enterprise automation in your Linux environment with this comprehensive guide. Key Features: Automate your Linux infrastructure with the help of practical use cases and real-world scenarios. Learn to plan, build, manage, and customize OS releases in your environment. Enhance the scalability and efficiency of your infrastructure with advanced Linux system administration concepts. Book Description: Automation is paramount if you want to run Linux in your enterprise effectively. It helps you minimize costs by reducing manual operations, ensuring compliance across data centers, and accelerating deployments for your cloud infrastructures. Complete with detailed explanations, practical examples, and self-assessment questions, this book will teach you how to manage your Linux estate and leverage Ansible to achieve effective levels of automation. You'll learn important concepts on standard operating environments that lend themselves to automation, and then build on this knowledge by applying Ansible to achieve standardization throughout your Linux environments. By the end of this Linux automation book, you'll be able to build, deploy, and manage an entire estate of Linux servers with higher reliability and lower overheads than ever before. What you will learn: Perform large-scale automation of Linux environments in an enterprise. Overcome the common challenges and pitfalls of extensive automation. Define the business processes needed to support a large-scale Linux environment. Get well-versed with the most effective and reliable patch management strategies. Automate a range of tasks

from simple user account changes to complex security policy enforcement. Learn best practices and procedures to make your Linux environment automatable. Who this book is for: This book is for anyone who has a Linux environment to design, implement, and maintain. Open source professionals including infrastructure architects and system administrators will find this book useful. You're expected to have experience in implementing and maintaining Linux servers along with knowledge of building, patching, and maintaining server infrastructure. Although not necessary, knowledge of Ansible or other automation technologies will be beneficial.

Linux and UNIX Shell Programming Apress

The key to mastering any Unix system, especially Linux and Mac OS X, is a thorough knowledge of shell scripting. Scripting is a way to harness and customize the power of any Unix system, and it's an essential skill for any Unix users, including system administrators and professional OS X developers. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. *bash Cookbook* teaches shell scripting the way Unix masters practice the craft. It presents a variety of recipes and tricks for all levels of shell programmers so that anyone can become a proficient user of the most common Unix shell -- the bash shell -- and cygwin or other popular Unix emulation packages. Packed full of useful scripts, along with examples that explain how to create better scripts, this new cookbook gives professionals and power users everything they need to automate routine tasks and enable them to truly manage their systems -- rather than have their systems manage them.

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