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Mastering

UNIX

Shell Scripting

Randal K. Michael

SECOND EDITION

Bash, Bourne, and Korn
Shell Scripting for Programmers,
System Administrators, and UNIX Gurus

Mastering Unix

Joe Merlino



Mastering Unix:

Mastering UNIX Katherine Wrightson, Joseph Merlino, 2006-02-20 All Your Unix Questions Answered Mastering Unix is your source for everything you need to know about today's most influential operating system. Inside two Unix experts provide essential information on a wide range of Unix flavors concentrating on Linux, FreeBSD, and Solaris8. Whether you're just getting started with Unix or want a resource to help you handle system administration's toughest chores, this example-filled book will answer all your questions and promote the skills you need to succeed. Coverage includes: Using the Unix shell, Using X Windows, Configuring and using remote services, Connecting to the Internet, Creating user accounts, Creating user groups, Designing and building a network, Using Unix utilities, Programming the shell, Setting up and administering a mail server, Setting up and administering a news server, Setting up and administering a Web server, Implementing effective security practices. Note: CD, ROM, DVD, and other supplementary materials are not included as part of eBook file. [Mastering Unix](#)

[Shell Scripting](#) Randal K. Michael, 2008-06-03 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. **Mastering UNIX.** Joe Merlino, 2006 [Mastering Unix Shell Scripting](#) Randal K. Michael, 2003-04-21 Provides readers with end-to-end shell scripts that can be used to automate repetitive tasks and solve real-world system administration problems. Targets the specific command structure for four popular UNIX systems: Solaris, Linux, AIX, and HP UX. Illustrates dozens of example tasks, presenting the proper command syntax and analyzing the performance gain or loss using various control structure techniques. Web site includes all the shell scripts used in the book.

Mastering Unix Shell Scripting, 2nd Ed Randal K. Michael, 2008-07 Market_Desc: Computer science professionals, serious shell scripters, and UNIX gurus who need to understand how the different shell environments work and how to automate specific tasks that are repetitive or reoccurring. Students. Special Features: Scripting books as a whole have very respectable Bookscan weekly sell-through, averaging 50 copies per week for the top 5. 2e includes 50% modified material and 15% new material. Linux is greatly expanded in this new edition as the BASH shell is covered with complete end-to-end shell scripting examples. Covers top four flavors of UNIX: AIX, HP UX, Linux, and Solaris. Designed to teach people how to solve real-world problems, not just a shell scripting book. Revision includes a solution in KORN shell and BASH shell for most of the shell scripts and two new chapters to meet the needs of applications programmers for working with record files in preparation for government audits. Working with Record Files and Those Pesky Sarbanes-Oxley SOX Audits. A test bank and end-of-chapter questions provide value add for college courses. About The Book: The book is broken down into three sections to better cover

material by user group Part one begins with the basics of shell scripting Part two is targeted at System Analysts Program Testers and Programmer Analysts Two new chapters have been added Working with Record Files and Those Pesky Sarbanes Oxley SOX Audits Application programmers have specific needs for working with record files and need scripts to meet the needs of auditors Part three is specifically targeted at Systems Administrators and the UNIX guru [Mastering UNIX Programming](#) FREDRICK B. FOREST,2025-07-21 Mastering UNIX Programming A Practical Guide for Engineers System Programmers and Advanced Linux Developers is a comprehensive and authoritative resource designed for professionals who need to build efficient secure and scalable system level applications in UNIX and Linux environments This book equips engineers advanced Linux developers and system programmers with the practical skills and in depth knowledge required to work directly with the operating system It bridges the gap between application level development and system internals enabling you to write code that performs reliably in production environments What you will gain from this book A deep understanding of UNIX internals and system architecture Learn how the operating system works under the hood and how to interact with it through well structured optimized C programs Mastery of essential system programming concepts Grasp advanced topics such as process control signals interprocess communication IPC threading memory management and system calls explained with clarity and backed by practical examples Real world production ready code Apply techniques used by experienced developers to write robust maintainable code for networking concurrency file handling and daemon processes Improved debugging and performance tuning skills Gain insights into tools and strategies for profiling tracing and optimizing your applications for reliability and speed in multi user multi process environments The ability to build high performance UNIX Linux software Whether you re developing embedded systems network daemons or server applications this guide gives you the foundation to design and implement solutions that scale Every chapter is built around clear explanations hands on examples and professional insights to ensure you re not just reading concepts you re mastering them This book doesn t just teach you how to code in UNIX it shows you how to think like a UNIX system programmer If your work demands precision performance and control over the systems you build Mastering UNIX Programming delivers the skills and confidence to advance your career and tackle complex development challenges with clarity *The Ksh, Awk, and Sed Script Collection* Steve Myers,2013-09-15 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 *UNIX Applications Programming* Ray Swartz,1990 Getting Started Using UNIX Tools Bourne Shell Programming Creating Applications with UNIX Tools **Mastering UNIX Serial Communications** Peter W. Gofton,1991 Here is a complete guide to serial communications under UNIX It features a thorough introduction to the concepts of serial communications detailed coverage of UNIX s communications utilities and in depth information for C programmers wishing to access serial ports under UNIX *Mastering the Art of Unix Programming: Unraveling the Secrets of Expert-Level*

Programming Steve Jones, 2025-02-25 Discover the depths of Unix programming with *Mastering the Art of Unix Programming: Unraveling the Secrets of Expert Level Programming*. This meticulously crafted guide delves beyond foundational knowledge to elevate your programming acumen to expert status. Embrace the intricacies of system architecture, process management, and file I/O, gaining a holistic view of Unix internals. Each chapter unfolds layer by layer, offering practical insights that empower you to harness the full potential of Unix systems. Navigate complex realms of concurrency, network communication, and security with ease. The book provides a comprehensive exploration of tools and techniques essential for mastering advanced Unix programming. From optimizing system performance to ensuring robust security and automating tasks efficiently, this resource equips you with the skills needed to tackle the most demanding challenges in modern computing environments. Authored by seasoned experts with a deep understanding of Unix's enduring influence, this book stands as a beacon for dedicated programmers striving to refine their craft. Whether enhancing code quality, developing scalable applications, or leveraging powerful Unix tools for development, debugging, and profiling, you will find real-world strategies that translate knowledge into practical application. Unlock the secrets of expert-level programming and redefine your Unix programming experience.

[Mastering UNIX and Linux System Administration: A Practical Handbook for Effective Management](#) Elba Fitzgerald, 2025-04-03 Discover the essential skills and knowledge required for managing UNIX and Linux systems with mastery in this practical handbook. This comprehensive guide is crafted to equip you with the expertise needed to navigate and manage complex system environments efficiently. Whether you're a seasoned professional or a newcomer to the field, this book provides valuable insights and tools to enhance your system administration abilities. This book covers a wide range of crucial topics, including system configuration, network management, security protocols, and performance optimization. Each section is designed to build your understanding progressively, ensuring you have a solid foundation before moving on to more advanced concepts. You'll learn how to configure and maintain different UNIX and Linux distributions, manage users and permissions, and automate routine tasks using shell scripting. Explore advanced techniques for monitoring system performance and troubleshooting common issues. The book delves into the intricacies of network management, helping you to set up and maintain secure, efficient networks. With a focus on practical application, you'll find real-world examples and step-by-step instructions that make complex concepts easy to grasp and implement.

UNIX Review, 1991
[Dataquest](#), 1993 *MCSE Windows NT Workstation 4.0 Study Guide* Syngress Media, Inc, 1998 Here is everything readers need to prepare for Microsoft's Implementing and Supporting Microsoft Windows NT Workstation 4.0 certification exam, including how to configure, customize, and troubleshoot the popular operating system. The CD-ROM includes six individual exams providing more simple questions than any other study guide and links to related material in the completely searchable electronic version of the book. [CommUNIXations](#), 1990 [MCSE Core Exams Test Yourself Personal Testing Center](#) Syngress Media, Inc. Staff, Inc Syngress Media, 1998-10 Covers the core 5 MCSE exams. Covers five exams in one.

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