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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](#)

Katherine Wrightson,Joseph 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,2011-09-14 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,2011-02-11   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   *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 w 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 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 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 **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   **CommUNIXations** ,1990   **Mastering MAKE** Clovis L. Tondo,Andrew Nathanson,Eden Yount,1994 Expanded in scope and improved in design this revision of a bestselling guide to MAKE combines an easy to follow step by step tutorial approach to using the MAKE utility on DOS OS 2 and UNIX systems with concise reference material for both universal concepts and specific uses of the tool   *UNIX Applications Programming* Ray Swartz,1990 Getting Started Using UNIX Tools Bourne Shell Programming Creating Applications with UNIX Tools

Dataquest ,1993   *Mastering Unix Internals and Shell Scripting* Mr. Bhupesh Deka, Dr. Srinivas Prasad, Ms. Bindu Agarwalla,2023-11-02 The book Mastering UNIX Internals and Shell Scripting is an invaluable resource for students of Computer Science Engineering CSE Information Technology IT and MCA aiming to gain a comprehensive understanding of UNIX operating systems and shell scripting This meticulously crafted guide delves into the core concepts of UNIX including its history characteristics layered architecture different flavors and the intricacies of the RISC CISC architecture It then progresses to cover essential topics like file systems basic commands file and directory management working with filters processes networking and more What sets this book apart is its unique blend of industry and academic perspectives With numerous exercises and multiple choice questions provided in each chapter it encourages hands on learning and self assessment The intent behind this book is to empower students to excel in both academic settings and real world IT environments Its comprehensive coverage and practical approach make it an essential tool for aspiring IT professionals

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

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Table of Contents Mastering Unix

1. Understanding the eBook Mastering Unix
    - The Rise of Digital Reading Mastering Unix
    - Advantages of eBooks Over Traditional Books
2. Identifying Mastering Unix
    - Exploring Different Genres
    - Considering Fiction vs. Non-Fiction
    - Determining Your Reading Goals
3. Choosing the Right eBook Platform
    - Popular eBook Platforms
    - Features to Look for in an Mastering Unix
    - User-Friendly Interface
4. Exploring eBook Recommendations from Mastering Unix
    - Personalized Recommendations
    - Mastering Unix User Reviews and Ratings
    - Mastering Unix and Bestseller Lists
5. Accessing Mastering Unix Free and Paid eBooks
    - Mastering Unix Public Domain eBooks
    - Mastering Unix eBook Subscription Services
    - Mastering Unix Budget-Friendly Options
6. Navigating Mastering Unix eBook Formats

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