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Pro Bash Programming, Second Edition
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MICAELA MYLA

Pro Bash Programming, Second Edition

New Age International

This text is written especially for undergraduates and designed to provide them with a thorough grounding in the UNIX technology. The text provides complete coverage of AT&T's System V UNIX and shell programming with both Bourne Shell and the C Shell. It features an in-depth introduction to AWK (a pattern scanning and processing language) and sed (stream editor).

Procedure design is emphasized throughout. Reflecting its origin as a text written expressly for undergraduates, the text has exceptionally strong and diverse pedagogy and exercises. As a reference tool for users, the book is invaluable, a rich and diverse source of information in one convenient volume.

The UNIX Programming Environment

John Wiley & Sons

A compendium of shell scripting recipes that can immediately be used, adjusted, and applied. The shell is the primary way of communicating with the Unix and Linux systems, providing a direct way to program by automating simple-to-intermediate tasks. With this book, Linux expert Steve Parker shares a collection of shell scripting recipes that can be used as is or easily modified for a variety of environments or situations. The book covers shell programming, with a focus on Linux and the Bash shell; it provides credible, real-world relevance, as well as providing the flexible tools to get started immediately. Shares a collection of helpful shell scripting recipes that can immediately be used for various of real-world challenges. Features recipes for

system tools, shell features, and systems administration. Provides a host of plug and play recipes for to immediately apply and easily modify so the wheel doesn't have to be reinvented with each challenge faced. Come out of your shell and dive into this collection of tried and tested shell scripting recipes that you can start using right away!

Shell Programming "O'Reilly Media, Inc."

In their Preface, the authors explain, "This book is meant to help the reader learn how to program in C. It contains a tutorial introduction to get new users started as soon as possible, separate chapters on each major feature, and a reference manual. Most of the treatment is based on reading, writing, and revising examples, rather than on mere statements of rules. For the most part, the examples are complete, real programs, rather than isolated fragments. All examples have been tested directly from the text, which is in machine-readable form. Besides showing how to make effective use of the language, we have also tried where possible to illustrate useful algorithms and principles of good style and sound design..." Book jacket.

UNIX Shells by Example Prentice Hall

Unix In Easy Steps Is An Easy To Read And Act Book On The Unix Operating System. The Approach Is Easy, Lucid And Gets The Student Involved In The Subject. The Reader Whether New To Unix Or An Experienced User Will Find This Book Interesting Because He/She Can Try Out Each Command Or Concept, Which Are Explained With Examples. At The End Of Each Chapter A Number Of Questions Are Put To Help The Reader Make A Self-Assessment Of How Much Of Concepts Have Been Understood. At The End Of The Book You Have A Final Test, Which Is Meant To Test The Best

Brains. Unix In Easy Steps Covers The Basic Concepts Of Unix And Also Gives The Reader A Brief View Of Unix Internals. Finally Fast Track , A Comprehensive Listing Of Commands With Their Options And Arguments, Is Provided Which Is An Invaluable Source Of Reference To All Users Of Unix.

Teach Yourself UNIX Shell Programming in 14 Days McGraw-Hill Companies

Introduction to Unix and Shell Programming is designed to be an introductory first-level book for a course on Unix. Organised into twelve simple chapters, the book guides the students from the basic introduction to the Unix operating system and ext.

Shell Scripting Laxmi Publications

Learn shell scripting to solve complex shell-related problems and to efficiently automate your day-to-day tasks About This Book Familiarize yourself with the terminal by learning about powerful shell features Automate tasks by writing shell scripts for repetitive work Packed with easy-to-follow, hands-on examples to help you write any type of shell script with confidence Who This Book Is For This book is aimed at administrators and those who have a basic knowledge of shell scripting and who want to learn how to get the most out of writing shell scripts. What You Will Learn Write effective shell scripts easily Perform search operations and manipulate large text data with a single shell command Modularize reusable shell scripts by creating shell libraries Redirect input, output, and errors of a command or script execution to other streams Debug code with different shell debugging techniques to make your scripts bug-free Manage processes, along with the environment variables needed to execute them properly Execute and

embed other languages in your scripts Manage creation, deletion, and search operations in files In Detail Shell scripting is a quick method to prototype complex applications or problems. Shell scripts are a collection of commands to automate tasks, usually those for which the user has a repeated need, when working on Linux-based systems. Using simple commands or a combination of them in a shell can solve complex problems easily. This book starts with the basics, including essential commands that can be executed on Linux systems to perform tasks within a few nanoseconds. You'll learn to use outputs from commands and transform them to show the data you require. Discover how to write shell scripts easily, execute script files, debug, and handle errors. Next, you'll explore environment variables in shell programming and learn how to customize them and add a new environment. Finally, the book walks you through processes and how these interact with your shell scripts, along with how to use scripts to automate tasks and how to embed other languages and execute them. Style and approach This book is a pragmatic guide to writing efficient shell programs, complete with hands-on examples and tips.

Shell Scripting Oxford University Press on Demand

The world's #1 shell programming book—now fully updated for Linux and more! UNIX Shells by Example is the world's #1 shell programming book, from the world's #1 shell programming instructor: Ellie Quigley. In UNIX Shells by Example, Fourth Edition, Quigley has thoroughly updated her classic and delivers the information today's shell programmers need most—including comprehensive coverage of Linux shell programming

with bash! Drawing on 20 years' experience as a shell programming instructor, Quigley guides you through every facet of programming all leading UNIX/Linux shells: bourne, bash, korn, C, and tcsh. Quigley illuminates each concept with up-to-date, classroom-tested code examples designed to help you jump-start your own projects. She also systematically introduces awk, sed, and grep for both UNIX and GNU/Linux . . . making this the only shell programming book you'll ever need! New in this edition: Comprehensive coverage of Linux shell programming with bash Shell Programming QuickStart: makes first-time shell programmers productive in just 15 pages Complete, practical debugging chapter Updated coverage of the latest UNIX and GNU/Linux versions of awk, sed, and grep Shell programming for sysadmins: walks you through key UNIX and Linux system shell scripts Completely updated: Shell programming fundamentals: what shells are, what they do, how they work Choosing the right shell for any application Nearly 50,000 UNIX/Linux sysadmins, developers, and power users have used previous editions of UNIX Shells by Example to become expert shell programmers. With UNIX Shells by Example, Fourth Edition, you can, too—even if you're completely new to shell programming. Then, once you're an expert, you'll turn to this book constantly as the best source for reliable answers, solutions, and code. About the CD-ROM Comprehensive shell programming code library: all source code and data files for this book's hundreds of example programs.

Linux Shells by Example Addison-Wesley Professional
Designed as one of the first true textbooks on how to use the UNIX

operating system and suitable for a wide variety of UNIX-based courses, UNIX and Shell Programming goes beyond providing a reference of commands to offer a guide to basic commands and shell programming. Forouzan/Gilberg begin by introducing students to basic commands and tools of the powerful UNIX operating system. The authors then present simple scripting concepts, and cover all material required for understanding shells (e.g., Regular Expressions, grep, sed, and awk) before introducing material on the Korn, C, and Bourne shells. Throughout, in-text learning aids encourage active learning and rich visuals support concept presentation. For example, sessions use color so students can easily distinguish user input from computer output. In addition, illustrative figures help student visualize what the command is doing. Each chapter concludes with problems, including lab sessions where students work on the computer and complete sessions step-by-step. This approach has proven to be successful when teaching this material in the classroom.

Unix Shell Programming Sams Publishing
Pro Bash Programming teaches you how to effectively utilize the Bash shell in your programming. The Bash shell is a complete programming language, not merely a glue to combine external Linux commands. By taking full advantage of Shell internals, Shell programs can perform as snappily as utilities written in C or other compiled languages. And you will see how, without assuming Unix lore, you can write professional Bash 4.3 programs through standard programming techniques. This second edition has updated for Bash 4.3, and many scripts have been rewritten to make them more idiomatically Bash, taking better advantage of features

specific to Bash. It is easy to read, understand, and will teach you how to get to grips with Bash programming without drowning you in pages and pages of syntax. Using this book you will be able to use the shell efficiently, make scripts run faster using expansion and external commands, and understand how to overcome many common mistakes that cause scripts to fail. This book is perfect for all beginning Linux and Unix system administrators who want to be in full control of their systems, and really get to grips with Bash programming.

UNIX Shell Programming John Wiley & Sons

A compendium of shell scripting recipes that can immediately be used, adjusted, and applied The shell is the primary way of communicating with the Unix and Linux systems, providing a direct way to program by automating simple-to-intermediate tasks. With this book, Linux expert Steve Parker shares a collection of shell scripting recipes that can be used as is or easily modified for a variety of environments or situations. The book covers shell programming, with a focus on Linux and the Bash shell; it provides credible, real-world relevance, as well as providing the flexible tools to get started immediately. Shares a collection of helpful shell scripting recipes that can immediately be used for various of real-world challenges Features recipes for system tools, shell features, and systems administration Provides a host of plug and play recipes for to immediately apply and easily modify so the wheel doesn't have to be reinvented with each challenge faced Come out of your shell and dive into this collection of tried and tested shell scripting recipes that you can start using right away!

The Korn Shell John Wiley & Sons

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

Shell Scripting Laxmi Publications
Teach Yourself Shell Programming in 14
Days is a true beginning level guide to
the Bourne Shell. Everyone who works in
UNIX uses one of its three shells. This
tutorial shows uses how to exploit the
Bourne Shell to optimize their system,
increase productivity, and work more
efficiently.

UNIX in Easy Steps Galgotia
Publications
A Bourne Shell Programming/Scripting
Tutorial for learning about using the Unix
shell. Learn Linux / Unix shell scripting
by example along with the theory. We'll
have you mastering Unix shell scripting
in no time! This thorough yet practical
tutorial with examples throughout has
been written with extensive feedback
from literally hundreds of students and
professionals in the field, both with and
without a Unix or Linux background.
From the author of the Wiley book "Shell
Scripting - Expert Recipes for Bash, Linux
and more" and of "How to Build a LAMP
Server," this is his best-read and most
popular work to date.

Introduction To Unix And Shell
Programming Prentice Hall

Shell scripting skills never go out of
style. It's the shell that unlocks the real
potential of Unix. Shell scripting is
essential for Unix users and system
administrators-a way to quickly harness
and customize the full power of any Unix
system. With shell scripts, you can
combine the fundamental Unix text and
file processing commands to crunch data
and automate repetitive tasks. But
beneath this simple promise lies a
treacherous ocean of variations in Unix
commands and standards. Classic Shell

Scripting is written to help you reliably
navigate these tricky waters. Writing
shell scripts requires more than just a
knowledge of the shell language, it also
requires familiarity with the individual
Unix programs: why each one is there,
how to use them by themselves, and in
combination with the other programs.
The authors are intimately familiar with
the tips and tricks that can be used to
create excellent scripts, as well as the
traps that can make your best effort a
bad shell script. With Classic Shell
Scripting you'll avoid hours of wasted
effort. You'll learn not only write useful
shell scripts, but how to do it properly
and portably. The ability to program and
customize the shell quickly, reliably, and
portably to get the best out of any
individual system is an important skill for
anyone operating and maintaining Unix
or Linux systems. Classic Shell Scripting
gives you everything you need to master
these essential skills.

Unix Addison-Wesley Professional
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 Programming Dr.Suhas Rokde
Unix Shell Programming is a tutorial
aimed at helping Unix and Linux users
get optimal performance out of their
operating out of their operating system.
It shows them how to take control of
their systems and work efficiently by
harnessing the power of the shell to
solve common problems. The reader
learns everything he or she needs to
know to customize the way a Unix
system responds. The vast majority of
Unix users utilize the Korn shell or some

variant of the Bourne shell, such as bash. Three are covered in the third edition of Unix Shell Programming. It begins with a generalized tutorial of Unix and tools and then moves into detailed coverage of shell programming. Topics covered include: regular expressions, the kernel and the utilities, command files, parameters, manipulating text filters, understanding and debugging shell scripts, creating and utilizing variables, tools, processes, and customizing the shell.

Unix Shell Programming Createspace Independent Publishing Platform

Shell programming is the most important tool for unleashing the power of UNIX because the shell is the medium through which the user communicates with the operating system. This comprehensive title offers hundreds of shell programming tips and techniques.

Beginning Shell Scripting CreateSpace Functioning of UNIX operating system with shell programming KEY FEATURES

- Equipped with installation, administration, and best practices for UNIX system management.
- Provides a wide range of shell scripting and Unix-based solutions.
- UNIX foundations, Resource Management, Socket Programming, Shell Scripting, and the C Interface are all covered.

DESCRIPTION
This book is intended to be an instructional tool and study guide for those interested in learning about the principles of the UNIX operating system, process management, socket programming, and numerous shell scripting techniques. First, you will learn about the UNIX system architecture and programming environment, which provide an overview of all system resources and their management. Then, Unix file systems, Kernel data structures for performing file I/O, Basic File

permissions and Library functions, and UNIX system calls are discussed. Process control, parallel execution, user data access, and signal management are just some of the topics covered in this book. Next, we'll go through the basics of network communication, such as system calls, data transmission over sockets, and I/O multiplexing models. Finally, the book discusses more advanced UNIX and C interface concepts such as library functions, command-line arguments, and environment variables. Throughout the book, you'll find plenty of solutions, exercises, and shell scripts to help you get the most out of your hands-on experience with the UNIX system.

WHAT YOU WILL LEARN ● Investigate every aspect of the UNIX operating system. ● Understand how to use the shell and how to develop shell scripts. ● Acquaint yourself with all of UNIX's file and process components. ● Gain a working knowledge of file access and manipulation. ● Learn more about inter-process communication and its many methods.

WHO THIS BOOK IS FOR The book appeals to UNIX professionals, students, master's degree applicants, and candidates for competitive exams who wish to understand UNIX principles thoroughly. However, it is written for beginners and may be read by anyone without prior understanding.

TABLE OF CONTENTS
1. Fundamental Concepts of UNIX Operating System
2. File Management
3. Process Management
4. Inter-Process Communication
5. Socket Programming
6. Memory Management
7. UNIX Shell and Custom Environment
8. Shell Programming Using Bourne Shell

Unix Shell Programming Addison-Wesley Professional
Unix. Possibly, The Longest Living Entity In The Computer Land Where Nothing Survives More Than A Couple Of Years, A

Decade At The Most. It Has Been Around For More Than Two Decades, Owing Its Longevity To The Ruggedness Built Into It And Its Commands. This Book Comes In Two Parts. The First Part Is A Journey Into The Vast Expanse That Is Unix. The Intent Is To Make You Aware Of The Underlying Philosophy Used In Development Of Myriads Of Unix Commands Rather Than Telling You All The Variations Available With Them.

Linux and UNIX Shell Programming Packt Publishing Ltd

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

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