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ANIYA HARVEY

Command Line Fundamentals Addison-Wesley Professional
 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 & Shell Programming Apress
 Master the complexities of Bash shell scripting and unlock the power of shell for your enterprise
Key Features Identify high-level steps such as verifying user input
 Using the command line and conditional statements in creating/executing simple shell scripts
 Create and edit dynamic shell scripts to manage complex and repetitive tasks
 Leverage the command-line to bypass GUI and automate common tasks
Book Description In this book, you'll discover everything you need to know to master shell scripting and make informed choices about the elements you employ. Grab your favorite editor and start writing your best Bash scripts step by step. Get to grips with the fundamentals of creating and running a script in normal mode, and in debug mode. Learn about various conditional statements' code snippets, and

realize the power of repetition and loops in your shell script. You will also learn to write complex shell scripts. This book will also deep dive into file system administration, directories, and system administration like networking, process management, user authentications, and package installation and regular expressions. Towards the end of the book, you will learn how to use Python as a BASH Scripting alternative. By the end of this book, you will know shell scripts at the snap of your fingers and will be able to automate and communicate with your system with keyboard expressions. What you will learn Make, execute, and debug your first Bash script Create interactive scripts that prompt for user input Foster menu structures for operators with little command-line experience Develop scripts that dynamically edit web configuration files to produce a new virtual host Write scripts that use AWK to search and reports on log files Draft effective scripts using functions as building blocks, reducing maintenance and build time Make informed choices by comparing different script languages such as Python with BASH Who this book is for If you are a Linux administrator or a system administrator and are interested in automating tasks in your daily lives, saving time and effort, this book is for you. Basic shell scripting and command-line experience will be required. Familiarity with the tasks you need to automate will be helpful.

Shell Scripting Tutorial John Wiley & Sons
Un manuel de référence pour les utilisateurs et administrateurs souhaitant se former à l'écriture de scripts shell. Présente les fonctionnalités des trois shells couramment utilisés (Bourne shell, Korn shell, Bourne again shell) et signale leurs principales différences. L'ouvrage est dédié aussi à la programmation proprement dite et les aspects avancés de la programmation shell.--[Memento].

Programmation shell sous unix-linux sh (Bournes), Ksh, bash Lulu.com
Ce livre sur la programmation shell s'adresse aux utilisateurs et administrateurs des systèmes Unix/Linux souhaitant se former à l'écriture de scripts shell. Les fonctionnalités des trois shells couramment utilisés (Bourne shell, ksh 88 et 93, bash) sont détaillées et leurs différences signalées. Les thèmes sont présentés de manière progressive et pédagogique, ce qui fait de cet ouvrage un support idéal destiné aussi bien à la formation professionnelle qu'à l'autoformation. Les premiers chapitres sont consacrés au fonctionnement du shell : lancement d'une commande, caractères

spéciaux du shell couramment employés (redirections, tubes...), paramétrage de l'environnement de travail de l'utilisateur (variables et fichiers d'environnement...). Les mécanismes internes sont expliqués en détail et illustrés par de nombreux schémas. La suite de l'ouvrage est dédiée à la programmation proprement dite. Les bases de la programmation (variables, structures de contrôle, commandes de test et de calculs...) sont présentées et illustrées par de nombreux exemples. Sont ensuite détaillés les aspects avancés de la programmation shell (gestion des fichiers, fonctions, ...). La dernière partie de l'ouvrage traite des outils annexes indispensables au traitement de chaînes de caractères et de fichiers textes : les expressions régulières basiques et étendues, l'éditeur non interactif sed, un panorama étendu du langage awk ainsi que les principales commandes filtres des systèmes unix. Des exercices permettront au lecteur de pratiquer l'écriture de scripts shells tout au long de l'ouvrage. Les exemples de scripts présentés dans l'ouvrage, ainsi que les solutions des exercices sont disponibles en téléchargement sur le site de l'éditeur. [Unix Shell Programming](#) "O'Reilly Media, Inc."

Ce livre sur la programmation shell s'adresse aux utilisateurs et administrateurs des systèmes Unix/Linux souhaitant se former à l'écriture de scripts shell. Les fonctionnalités des trois shells couramment utilisés sont détaillées et leurs différences signalées. Les thèmes sont présentés de manière progressive et pédagogique, ce qui fait de cet ouvrage un support idéal destiné aussi bien à la formation professionnelle qu'à l'autoformation. Les premiers chapitres sont consacrés au fonctionnement du shell : lancement d'une commande, caractères spéciaux du shell couramment employés (redirections, tubes, ...), paramétrage de l'environnement de travail de l'utilisateur (variables et fichiers d'environnement, ...). Les mécanismes internes sont expliqués en détail et illustrés par de nombreux schémas. La suite de l'ouvrage est dédiée à la programmation proprement dite. Les bases de la programmation (variables, structures de contrôle, commandes de test et de calculs, ...) sont présentées et illustrées par de nombreux exemples. Sont ensuite détaillés les aspects avancés de la programmation shell (gestion des fichiers, fonctions, ...). La dernière partie de l'ouvrage traite des outils annexes indispensables au traitement de chaînes de caractères et de fichiers textes : les expressions régulières basiques et étendues, l'éditeur non interactif sed, un

panorama étendu du langage awk ainsi que les principales commandes filtres des systèmes unix.

[Programmation shell sous Unix-Linux](#)

Financial Times/Prentice Hall

Unleash the power of shell scripts to solve real-world problems by breaking through the practice of writing tedious code About This Book Learn how to efficiently and effectively build shell scripts and develop advanced applications with this handy book Develop high quality and efficient solutions by writing professional and real-world scripts, and debug scripts by checking and shell tracing A step-by-step tutorial to automate routine tasks by developing scripts from a basic level to very advanced functionality Who This Book Is For This book is ideal for those who are proficient at working with Linux and who want to learn about shell scripting to improve their efficiency and practical skills. By the end of this book, you will be able to confidently use your own shell scripts in the real world. What You Will Learn Familiarize yourself with the various text filtering tools available in Linux Combine the fundamental text and file processing commands to process data and automate repetitive tasks Understand expressions and variables and how to use them practically Automate decision-making and save a lot of time and effort of revisiting code Get to grips with advanced functionality such as using traps and signals and using dialogs to develop screens Start up a system and customize a Linux system Take an in-depth look at regular expressions and pattern matching to understand the capabilities of scripting In Detail Linux is the one of the most powerful and universally adopted OSes. Shell is a program that gives the user direct interaction with the operating system. Scripts are collections of commands that are stored in a file. The shell can read this file and act on the commands as if they were typed on the keyboard. Shell scripting is used to automate day-to-day administration, and for testing or product development tasks. This book covers Bash, GNU Bourne Again SHell, preparing you to work in the exciting world of Linux shell scripting. We start with an introduction to the Shell environment and explain basic commands used in Shell. Next we move on to check, kill, and control the execution of processes in Linux OS. Further, we teach you about the filter tools available in Linux and explain standard output and standard errors devices. Then we will ensure you understand Shell's interpretation of commands and get a firmer grasp so you use them in practice. Next, you'll

experience some real-world essentials such as debugging and perform Shell arithmetic fluently. Then you'll take a step ahead and learn new and advanced topics in Shell scripting, such as starting up a system and customizing a Linux system. Finally, you'll get to understand the capabilities of scripting and learn about Grep, Stream Editor, and Awk. Style and approach This practical book will go from the very basics of shell scripting to complex, customized automation. The idea behind this book is to be as practical as possible and give you the look and feel of what real-world scripting is like.

Programmation shell sous Unix/Linux
Sanbun Publishers

According to IDC, over 170,000 new servers were shipped in the first quarter of 2003. That also means that there were potentially more than 170,000 people like you charged with administering these systems without the proper knowledge or training to do so. Linux Shell Scripting with Bash will help you learn to not only get your system up and running quickly by employing the Bash shell, but it will also show you professional scripting solutions through the use of structured programming and standard Linux development tools. The book focuses on the Linux environment, which the shell relies on to function, and the robust Linux tool set, making this book ideal for learning shell scripting. Real-world scripts are included that are readable, extendable and easy to debug. This book is an asset to any Linux user.

Shell Addison-Wesley Professional
Portable shell scripting is the future of modern Linux, OS X, and Unix command-line access. *Beginning Portable Shell Scripting: From Novice to Professional* teaches shell scripting by using the common core of most shells and expands those principles to all of scripting. You will learn about portable scripting and how to use the same syntax and design principles for all shells. You'll discover about the interaction between shells and other scripting languages like Ruby and Python, and everything you learn will be shown in context for Linux, OS X, bash, and AppleScript. What you'll learn This book will prime you on not just shell scripting, but also the modern context of portable shell scripting. You will learn The core Linux/OS X shell constructs from a portability point of view How to write scripts that write other scripts, and how to write macros and debug them How to write and design shell script portably from the ground up How to use programmable utilities and their inherent portability to your advantage, while pinpointing

potential traps Pulling everything together, how to engineer scripts that play well with Python and Ruby, and even run on embedded systems Who this book is for This book is for system administrators, programmers, and testers working across Linux, OS X, and the Unix command line. Table of Contents Introduction to Shell Scripting Patterns and Regular Expressions Basic Shell Scripting Core Shell Features Explained Shells Within Shells Invocation and Execution Shell Language Portability Utility Portability Bringing It All Together Shell Script Design Mixing and Matching [Bash Guide for Beginners \(Second Edition\)](#) Sams Publishing
Break through the practice of writing tedious code with shell scripts Key Features Learn to impeccably build shell scripts and develop advanced applications Create smart solutions by writing and debugging scripts A step-by-step tutorial to automate routine tasks by developing scripts Book Description Linux is the most powerful and universally adopted OS. Shell is a program that gives the user direct interaction with the operating system. Scripts are collections of commands that are stored in a file. The shell reads this file and acts on commands as if they were typed on the keyboard. *Learning Linux Shell Scripting* covers Bash, GNU Bourne Again Shell, preparing you to work in the exciting world of Linux shell scripting. CentOS is a popular rpm-based stable and secured Linux distribution. Therefore, we have used CentOS distribution instead of Ubuntu distribution. *Linux Shell Scripting* is independent of Linux distributions, but we have covered both types of distros. We start with an introduction to the Shell environment and basic commands used. Next, we explore process management in Linux OS, real-world essentials such as debugging and perform Shell arithmetic fluently. You'll then take a step ahead and learn new and advanced topics in Shell scripting, such as decision making, starting up a system, and customizing a Linux environment. You will also learn about grep, stream editor, and AWK, which are very powerful text filters and editors. Finally, you'll get to grips with taking backup, using other language scripts in Shell Scripts as well as automating database administration tasks for MySQL and Oracle. By the end of this book, you will be able to confidently use your own shell scripts in the real world. What you will learn Familiarize yourself with the various text filtering tools available in Linux Understand expressions and variables and how to use them practically Automate decision-making and save a lot of time and effort of revisiting code Get to

grips with advanced functionality such as using traps, dialogs to develop screens & Database administration such as MySQL or Oracle Start up a system and customize a Linux system Taking backup of local or remote data or important files. Use existing other language scripts such as Python, Perl & Ruby in Shell Scripts Who this book is for *Learning Linux Shell Scripting* is ideal for those who are proficient at working with Linux and want to learn about shell scripting to improve their efficiency and practical skills.

Scripts shell, cours et exercices corrigés
No Starch Press

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.

Learning the bash Shell John Wiley & Sons This guide shows UNIX users how to automate tasks and develop powerful shell scripts. The book offers complete instructions for the standard Bourne shell, plus the Bash and Korn shells. Revised to reflect the IEEE Standard 1003.1-2001, the POSIX standard, and the Linux Bash shell implementation.

Mastering Linux Shell Scripting, Turtleback The Bash Guide for Beginners (Second Edition) discusses concepts useful in the daily life of the serious Bash user. While a basic knowledge of shell usage is required, it starts with a discussion of shell building blocks and common practices. Then it presents the grep, awk and sed tools that will later be used to create more interesting examples. The second half of the course is about shell constructs such as loops, conditional tests, functions and traps, and a number of ways to make interactive scripts. All chapters come with examples and exercises that will help you become familiar with the theory.

Pro Bash Programming "O'Reilly Media, Inc."

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. *Programmation shell sous unix-linux sh (Bourne), Ksh, bash* Addison-Wesley Professional

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 4.0 programs through standard programming techniques.

Complete bash coverage Teaches bash as a programming language Helps you master bash 4.0 features

Programmation shell sous Unix/Linux Packt Publishing Ltd

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.

Linux Shell Scripting with Bash Packt

Publishing Ltd

Talk directly to your system for a faster workflow with automation capability Linux Command Line and Shell Scripting Bible is your essential Linux guide. With detailed instruction and abundant examples, this book teaches you how to bypass the graphical interface and communicate directly with your computer, saving time and expanding capability. This third edition incorporates thirty pages of new functional examples that are fully updated to align with the latest Linux features.

Beginning with command line fundamentals, the book moves into shell scripting and shows you the practical application of commands in automating frequently performed functions. This guide includes useful tutorials, and a desk reference value of numerous examples.

The Linux command line allows you to type specific shell commands directly into the system to manipulate files and query system resources. Command line statements can be combined into short programs called shell scripts, a practice increasing in popularity due to its usefulness in automation. This book is a complete guide providing detailed instruction and expert advice working within this aspect of Linux. Write simple script utilities to automate tasks Understand the shell, and create shell scripts Produce database, e-mail, and web scripts Study scripting examples ranging from basic to advanced Whether used as a tutorial or as a quick reference, this book contains information that every Linux user should know. Why not learn to use the system to its utmost capability? Linux is a robust system with tremendous potential, and Linux Command Line and Shell Scripting Bible opens the door to new possibilities.

UNIX Shells by Example Editions ENI Ce livre sur la programmation shell s'adresse aux utilisateurs et administrateurs des systèmes Unix/Linux souhaitant se former à l'écriture de scripts shell. Les fonctionnalités des shells ksh 88 et 93, bash, ainsi que de leur prédécesseur le shell Bourne sont détaillées et leurs différences signalées. Les thèmes sont présentés de manière progressive et pédagogique, ce qui fait de cet ouvrage un support idéal destiné aussi bien à la formation professionnelle qu'à l'autoformation. Les premiers chapitres sont consacrés au fonctionnement du shell : lancement d'une commande, caractères spéciaux du shell couramment employés (redirections, tubes...), paramétrage de l'environnement de travail de l'utilisateur (variables et fichiers d'environnement...). Les mécanismes internes sont expliqués

en détail et illustrés par de nombreux schémas. La suite de l'ouvrage est dédiée à la programmation proprement dite. Les bases de la programmation (variables, structures de contrôle, commandes de test et de calculs, ...) sont présentées et illustrées par de nombreux exemples. Sont ensuite détaillés les aspects avancés de la programmation shell (gestion des fichiers, fonctions, ...). La dernière partie de l'ouvrage traite des outils annexes indispensables au traitement de chaînes de caractères et de fichiers textes : les expressions régulières basiques et étendues, l'éditeur non interactif sed, un panorama étendu du langage awk enrichi de fonctionnalités gawk, ainsi que les principales commandes filtres des systèmes unix. Le chapitre Comment faire ... résume les principales problématiques et présente différentes méthodes de résolution. Des exercices permettront au lecteur de pratiquer l'écriture de scripts shells tout au long de l'ouvrage. Les solutions sont présentées dans le dernier chapitre. Les exemples de scripts présentés dans l'ouvrage, ainsi que les scripts solutions des exercices sont disponibles en téléchargement sur le site www.editions-eni.fr.

Programmation shell sous Unix/Linux sh, ksh, bash Apress

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.

Beginning Shell Scripting Createspace Independent Publishing Platform

This useful, how-to book features a collection of useful shell scripts that solve problems and help UNIX and Linux users customize their computing environment. *Learning Linux Shell Scripting* Editions ENI 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