

Linux Command Line And Shell Scripting Bible

Embark on a Legendary Quest: The Linux Command Line & Shell Scripting Bible is Your Epic Guide!

Prepare yourselves, fellow adventurers of the written word! Forget dusty tomes and predictable plots; the 'Linux Command Line & Shell Scripting Bible' is a gateway to a realm of pure, unadulterated digital magic. You might think, "Command line? Scripting? That sounds drier than a hermit's sandal!" Oh, but my friends, you are wonderfully, gloriously mistaken. This book doesn't just teach you; it transports you!

From the very first page, you'll be swept into an imaginative setting that's as vast and mysterious as the digital universe itself. Imagine yourself as a budding sorcerer, your keyboard your wand, and the command line your ancient grimoire. Each new command is a spell, each script a meticulously crafted enchantment designed to bend the very fabric of your computer to your will. The authors have woven a narrative so compelling, so rich with possibility, that you'll find yourself staying up late, not out of obligation, but out of sheer, unadulterated curiosity. It's a journey that ignites the imagination and makes you believe in the extraordinary power lurking within the seemingly mundane.

And the emotional depth! Don't let the technical jargon fool you. This book understands the struggles of the beginner, the triumphant joy of a perfectly executed command, and the quiet satisfaction of building something truly useful. You'll experience the frustration of a misplaced semicolon (a common dragon guarding a treasure hoard, if you will) and the elation of finally taming a complex script. It's a rollercoaster of learning, and the authors are your empathetic, witty guides, cheering you on every step of the way. They acknowledge your stumbles with a chuckle and celebrate your victories with genuine enthusiasm.

What truly makes this book a treasure is its universal appeal. Whether you're a seasoned literature enthusiast seeking a new intellectual

challenge, a young adult ready to conquer the digital frontier, or an avid reader always on the hunt for the next captivating story, the 'Linux Command Line & Shell Scripting Bible' has something extraordinary for you. It's a testament to the fact that powerful knowledge can be presented in a way that's accessible, engaging, and downright fun for everyone. You don't need to be a seasoned coder; you just need an open mind and a thirst for discovery. It's a language everyone can learn, and the rewards are boundless.

Here's a glimpse of the wonders that await:

Mastering the Mystic Arts: Learn to navigate the digital realms with confidence, issuing commands that are more potent than any dragon's roar.

Crafting Powerful Enchantments: Dive into the art of shell scripting, where you'll learn to automate tasks and create your own digital spells.

Unlocking Hidden Secrets: Discover the hidden potential of your operating system, revealing a world of efficiency and control.

A Community of Fellow Mages: Though this is a solo quest within the pages, the knowledge you gain will connect you to a global community of Linux users, all eager to share their wisdom.

Seriously, if you've ever felt the pull of the digital unknown, or if you simply want to experience a book that is both intellectually stimulating and incredibly rewarding, then the 'Linux Command Line & Shell Scripting Bible' is your next essential read. It's not just a manual; it's an invitation to a lifelong adventure. It's a book that doesn't just teach you skills; it empowers you to create, to innovate, and to dream bigger. This is more than a book; it's a companion, a mentor, and a source of endless fascination.

This book is a timeless classic, a beacon for anyone looking to understand the heart of computing. It's a testament to the power of clear, engaging instruction and a reminder that even the most complex subjects can be presented with humor and heart. Don't just read this book; experience it. Let it be your guide on a journey that will leave you enlightened, empowered, and utterly captivated.

My heartfelt recommendation: Dive into this magical journey! The 'Linux Command Line & Shell Scripting Bible' continues to capture hearts worldwide because it unlocks potential and ignites passion. It's a literary and technical marvel that deserves a place on every aspiring digital explorer's bookshelf. This is a strong recommendation for a book that celebrates lasting impact.

Linux Command Line and Shell Scripting Bible Mastering Linux Shell Scripting Bash Quick Start Guide Shell Scripting Mastering Linux Shell Scripting, Classic Shell Scripting Linux Shell Scripting for Beginners Linux Command Line Learn Linux Shell Scripting – Fundamentals of Bash 4.4 Bash Scripting and Shell Programming Shell Scripting Linux Shell Scripting Essentials Shell Scripting Learning Linux Shell Scripting Beginning Shell Scripting Linux Command Line and Shell Scripting Bible Linux Command Line and Shell Scripting Techniques Mastering Unix Shell Scripting The Ultimate Linux Shell Scripting Guide Learning Linux Shell Scripting Richard Blum Andrew Mallett Tom Ryder Jaosn Cannon Mokhtar Ebrahim Arnold Robbins Mike Meyers Travis Booth Sebastiaan Tammer Jason Cannon Steve Parker Sinny Kumari Harry Harvey Ganesh Sanjiv Naik Eric Foster-Johnson Richard Blum Vedran Dakic Randal K. Michael Donald A. Tevault Ganesh Sanjiv Naik

Linux Command Line and Shell Scripting Bible Mastering Linux Shell Scripting Bash Quick Start Guide Shell Scripting Mastering Linux Shell Scripting, Classic Shell Scripting Linux Shell Scripting for Beginners Linux Command Line Learn Linux Shell Scripting – Fundamentals of Bash 4.4 Bash Scripting and Shell Programming Shell Scripting Linux Shell Scripting Essentials Shell Scripting Learning Linux Shell Scripting Beginning Shell Scripting Linux Command Line and Shell Scripting Bible Linux Command Line and Shell Scripting Techniques Mastering Unix Shell Scripting The Ultimate Linux Shell Scripting Guide Learning Linux Shell Scripting *Richard Blum Andrew Mallett Tom Ryder Jaosn Cannon Mokhtar Ebrahim Arnold Robbins Mike Meyers Travis Booth Sebastiaan Tammer Jason Cannon Steve Parker Sinny Kumari Harry Harvey Ganesh Sanjiv Naik Eric Foster-Johnson Richard Blum Vedran Dakic Randal K. Michael Donald A. Tevault Ganesh Sanjiv Naik*

advance your understanding of the linux command line with this invaluable resource linux command line and shell scripting bible 4th edition is the newest installment in the indispensable series known to linux developers all over the world packed with concrete strategies and practical tips the latest edition includes brand new content covering understanding the shell writing simple script utilities producing database email scripts creating fun little shell scripts written by accomplished linux professionals christine bresnahan and richard blum linux command line and shell scripting bible 4th edition teaches readers the fundamentals and advanced topics necessary for a comprehensive understanding of shell scripting in linux the book is filled with real world examples and usable scripts helping readers navigate the challenging linux environment with ease and convenience the book is perfect for anyone who uses linux at home or in the office and will quickly find a place on every linux enthusiast's bookshelf

master the complexities of bash shell scripting and unlock the power of shell for your enterprise about this book identify the high level steps such as verifying user input using command lines and conditional statements in creating and executing simple shell scripts create and edit dynamic shell scripts to manage complex and repetitive tasks learn about scripting in perl and programming in python as a bash scripting alternative with this practical step by step guide who this book is for mastering linux shell scripting has been written for linux administrators who want to automate tasks in their daily lives saving time and effort you ll need to have command line experience and be familiar with the tasks that you need to automate what you will learn use the type command to identify the order of command evaluation 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 perl and python with bash in detail shell scripting is a quick method to prototype a complex application or a problem by automating tasks when working on linux based systems using both simple one line commands and command sequences complex problems can be solved with ease from text processing to backing up sysadmin tools in this book you ll discover everything you need to know to master shell scripting and make informed choices about the elements you employ 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 implement functions and edit files using the stream editor script in perl program in python as well as complete coverage of other scripting languages to ensure you can choose the best tool for your project style and approach the book will capture your attention and keep you engaged with the simplicity and clarity of each explanation every step is accompanied with screen captures so you can cross check the results before moving on

learn how to write shell script effectively with bash to quickly and easily write powerful scripts to manage processes automate tasks and to redirect and filter program input and output in useful and novel ways key features demystify the bash command line write shell scripts safely and effectively speed up and automate your daily workbook description bash and shell script programming is central to using linux but it has many peculiar properties that are hard to understand and unfamiliar to many programmers with a lot of misleading and even risky information online bash quick start guide tackles these problems head on and shows you the

best practices of shell script programming this book teaches effective shell script programming with bash and is ideal for people who may have used its command line but never really learned it in depth this book will show you how even simple programming constructs in the shell can speed up and automate any kind of daily command line work for people who need to use the command line regularly in their daily work this book provides practical advice for using the command line shell beyond merely typing or copy pasting commands into the shell readers will learn techniques suitable for automating processes and controlling processes on both servers and workstations whether for single command lines or long and complex scripts the book even includes information on configuring your own shell environment to suit your workflow and provides a running start for interpreting bash scripts written by others what you will learn understand where the bash shell fits in the system administration and programming worlds use the interactive bash command line effectively get to grips with the structure of a bash command line master pattern matching and transforming text with bash filter and redirect program input and output write shell scripts safely and effectively who this book is for people who use the command line on unix and linux servers already but don't write primarily in bash this book is ideal for people who've been using a scripting language such as python javascript or php and would like to understand and use bash more effectively

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 1990s 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 scripting 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 your 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

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 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

have you tried to learn shell scripting on your own but lack the structure you need to really improve your skills one of the biggest complaints i hear from students is that most of the book they ve taken in the past simply provide information without any context and without any idea of howto put that information to use this book turns that old frustrating and outdated way of learning on its head it s project based which means instead of learning bits and pieces of information you ll write actual shell scripts that you can use in real world situations you get the chance to immediately put what you learn to use so that you fully understand and remember it in this linux shell scripting for beginners a practical guide to bash scripting linux command line and shell programming book you will learn how to name your shell scripts use the proper permissions on your shell scripts create and use variables in your scripts use shell built in commands and operating system commands make the most out of special variables that are available to you in your scripts make decisions by using if statements and performing several different kinds of tests check the exit statuses of commands and why you need to use cryptographic hash functions create random data so you can do things like automatically generate strong passwords for user accounts perform the same action or set of actions

over a series of data utilizing for loops while loops and infinite loops control all types of input and output accept standard input from a user as well as from another program redirect standard output and standard error combine standard output and standard error use command pipe lining perform text and string manipulation process command line arguments creating functions and when to do so parsing analyzing and reporting on log files csv files and other data writing scripts that execute commands on other systems much much more

you too can be a linux command line genius you ve seen the sleek and point and click surface that is the linux desktop client while this is great we all know the real power of linux lies beneath the hood the problem is the command line is intimidating and you want to learn it quickly and as easily as possible linux command line takes you from your very first baby steps all the way to writing files and creating your own bash scripts along the way you ll learn the basics of file navigation directory setup and all the handy tips and tricks passed down over the years by your fellow keyboard lovers join travis booth author of machine learning with python and python data analytics as he teaches you all about creating symlinks deleting files and directories an introduction to vi the basics of bash writing your first shell scripts grep sed and all other text file manipulation tools and so much more stop giving into shell shock and join the hundreds of programmers who have adopted the command line as a means of communicating with the wonderful tool that is linux get your copy today bonus buy the paperback and get the ebook absolutely free with kindle matchbook

create and maintain powerful bash scripts for automation and administration key featuresget up and running with linux shell scripting using real world examplesleverage command line techniques and methodologies to automate common yet complex administration tasksa practical guide with exposure to scripting constructs and common scripting patternsbook description shell scripts allow us to program commands in chains and have the system execute them as a scripted event just like batch files this book will start with an overview of linux and bash shell scripting and then quickly deep dive into helping you set up your local environment before introducing you to tools that are used to write shell scripts the next set of chapters will focus on helping you understand linux under the hood and what bash provides the user soon you will have embarked on your journey along the command line you will now begin writing actual scripts instead of commands and will be introduced to practical applications for scripts the final set of chapters will deep dive into the more advanced topics in shell scripting these advanced topics will take you from simple scripts to reusable valuable programs that

exist in the real world the final chapter will leave you with some handy tips and tricks and as regards the most frequently used commands a cheat sheet containing the most interesting flags and options will also be provided after completing this book you should feel confident about starting your own shell scripting projects no matter how simple or complex the task previously seemed we aim to teach you how to script and what to consider to complement the clear cut patterns that you can use in your daily scripting challenges what you will learn understand linux and bash basics as well as shell scripting fundamentals learn to write simple shell scripts that interact with linux operating system build maintain and deploy scripts in a linux environment learn best practices for writing shell scripts avoid common pitfalls associated with bash scripting gain experience and the right toolset to write your own complex shell scripts who this book is for this book targets new and existing linux system administrators windows system administrators or developers who are interested in automating administrative tasks no prior shell scripting experience is needed but in case you do this book will make a pro quickly readers should have a basic understanding of the command line

in this course you will be able to create bash scripts with ease you will learn how to take tedious and repetitious 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 taking this bash scripting course a step by step process of writing bash shell scripts that solve real world problems the 1 thing you must do every time you create a bash script how to quickly find and fix the most common shell scripting errors for those of you who want to start programming right away watch the two video shell scripting crash course if you do nothing else than watch these two videos you will be ahead of most bash programmers 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 checklist you will never have to guess what to include in each of your shell scripts again just use this simple checklist 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 presentations and lessons you will be able to look at and experiment with everything you're learning resource description page

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

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 unix linux this book is for all those who are willing to learn unix like operating system and shell scripting you can start reading this book without any knowledge of programming scripting or any knowledge of any linux unix operating system all of the programs scripts in this book are explained as a step by step program with clear instructions each chapter will contain a certain number of relevant topics with illustrations and exercises where necessary this will all be finished off with an end of chapter quiz for an easy and enjoyable learning in this book you will find the following topics wildcards functions text processing text searching loops troubleshooting and debugging at the end of this book you will learn how to write more complex scripts using variables functions and loops if you are linux new user so this book is good for you keep in mind this is not about linux system administration click add to cart to get this amazing book

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

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

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

practical and actionable recipes for using shell and command line scripting on your linux os with confidence key features learn how to use the command line and write and debug linux shell scripts automate complex repetitive tasks and backups and learn networking and security a practical approach to system administration and virtual machine and software management book description linux command line and shell scripting techniques begins by taking you through the basics of the shell and command line utilities you ll start by exploring shell commands for file directory service package and process management next you ll learn about networking network firewall and dns client configuration ssh scp rsync and vsftpd as well as some network troubleshooting tools you ll also focus on using the command line to find and manipulate text content via commands such as cut egrep and sed as you progress you ll learn how to use shell scripting you ll understand the basics input and output along with various programming concepts such as loops variables arguments functions and arrays later you ll learn about shell script interaction and troubleshooting before covering a wide range of examples of complete shell scripts varying from network and firewall configuration through to backup and concepts for creating live environments this includes examples of performing scripted virtual machine installation and administration lamp linux apache mysql php stack provisioning and bulk user creation for testing environments by the end of this linux book you ll have gained the knowledge and confidence you need to use shell and command line scripts what you will learn get an introduction to the command line text editors and shell scripting focus on regular expressions file handling and automating complex tasks automate common administrative tasks become well versed with networking and system security scripting get to grips with repository management and network based file synchronization use loops arguments functions and arrays for task automation who this book is for this book is for anyone looking to learn about linux administration via cli and scripting those with no linux command line interface cli experience will benefit from it by learning from scratch more experienced linux administrators or engineers will also find this book useful as it will help them organize their knowledge fill in any gaps and work efficiently with shell scripts to increase productivity

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

master linux shells your complete guide to practical success with bash zsh powershell key features develop portable scripts using bash zsh and powershell that work seamlessly across linux macos and unix systems progress seamlessly through chapters with clear concepts practical examples and hands on labs for skill development build real world linux administration scripts enhancing your troubleshooting and management skills book descriptiondive into the world of linux shell scripting with this hands on guide if you re comfortable using the command line on unix or linux but haven t fully explored bash this book is for you it s designed for programmers familiar with languages like python javascript or php who want to make the most of shell scripting this isn t just another theory heavy book you ll learn by doing each chapter builds on the last taking you from shell basics to writing practical scripts that solve real world problems with nearly a hundred interactive labs you ll gain hands on experience in automation system administration and troubleshooting while bash is the primary focus you ll also get a look at z shell and powershell expanding your skills and adaptability from mastering command redirection and pipelines to writing scripts that work across different unix like systems this book equips you for real world linux challenges by the end you ll be equipped to write efficient shell scripts that streamline your workflow and improve system automation what you will learn grasp the concept of shells and explore their diverse types for varied system interactions master redirection pipes and compound commands for efficient shell operations leverage text stream filters within scripts for dynamic data manipulation harness functions and build libraries to create modular and reusable shell scripts explore the basic programming constructs that apply to all programming languages engineer portable shell scripts ensuring compatibility across diverse platforms beyond linux who this book is for this book is for programmers who use the command line on unix and linux servers already but don t write primarily in bash this book is ideal for programmers who ve been using a scripting language such as python javascript or php and would like to understand and use bash more effectively it s also great for beginning programmers who want to learn programming concepts

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

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