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> shell bash
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Linux Shell Scripting With Bash

Clif Flynt,Sarath Lakshman,Shantanu Tushar

Linux Shell Scripting With Bash:

   Bash Quick Start Guide Tom Ryder,2018-09-28 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 FeaturesDemystify the Bash command lineWrite shell scripts safely and effectivelySpeed 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 learnUnderstand where the Bash shell fits in the system administration and programming worldsUse the interactive Bash command line effectivelyGet to grips with the structure of a Bash command lineMaster pattern matching and transforming text with BashFilter and redirect program input and outputWrite shell scripts safely and effectivelyWho 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   **Learn Linux Shell Scripting – Fundamentals of Bash 4.4** Sebastiaan Tammer,2018-12-31 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 learnUnderstand Linux and Bash basics as well as shell scripting fundamentalsLearn to write simple shell scripts that interact with Linux operating systemBuild maintain and deploy scripts in a Linux environmentLearn best practices for writing shell scriptsAvoid common pitfalls associated with Bash scriptingGain experience and the right toolset to write your own complex shell scriptsWho 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   *Mastering Linux Shell Scripting* Andrew Mallett,2015-12-24 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 **Linux Command Line** Travis Booth,2019-10-08 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 *Linux Command Line and Shell Scripting Bible* Richard Blum,2008-04-30 There s a lot to be said for going back to basics Not only does this Bible give you a quick refresher on the structure of open source Linux software it also shows you how to bypass the hefty graphical user interface on Linux systems and start interacting the fast and efficient way with command lines and automated scripts You ll learn how to manage files on the filesystem start and stop programs use databases even do Web programming without a GUI with this one stop resource Bash Scripting John Bach,2020-09-11 Bash ScriptingThink of a script for a play or a movie or a TV show The script tells the actors what they should say and do A script for a computer tells the computer what it should do or say In the context of Bash scripts we are telling the Bash shell what it should do A Bash script is a plain text file which contains a series of commands These commands are a mixture of commands we would normally type ouselves on the command line such as ls or cp for example and commands we could type on the command line but generally wouldn t you ll discover these over the next few pages An important point to remember though is Anything you can run normally on the command line can be put into a script and it will do exactly the same thing Similarly anything you can put into a script can also be run normally on the command line and it will do exactly the same thing You don t need to change anything Just type the commands as you would normally and they will behave as they would normally It s just that instead of typing them at the command line we are now entering them into a plain text file In this sense if you know how to do stuff at the command line then you already know a fair bit in terms of Bash scripting It is convention to give files that are Bash scripts an extension of sh myscript sh for example As you would be aware and if you re not maybe you should consider reviewing our Linux Tutorial Linux is an extensionless system so a script doesn t necessarily have to have this characteristic in order to work **Shell Scripting** Jaosn Cannon,2015-09-17 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 1990 s 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 Scirpting 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 You re 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   Linux Shell Scripting for Beginners Mike Meyers,2020-08-26 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 *Pro Bash Programming* Chris Johnson,2009-12-05 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 *Linux Shell Scripting with Bash* Ken O Burtch,2004 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 **Mastering Linux Shell Scripting,** Mokhtar Ebrahim,Andrew Mallett,2018-04-19 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   **Pro Bash Programming, Second Edition** Chris Johnson,Jayant Varma,2015-06-19 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   **Linux Shell Scripting Essentials** Sinny Kumari,2015-11-23 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   Command Line Kung Fu Jason Cannon,2014-04-17 Become a Linux Ninja with Command Line Kung Fu Do you think you have to lock yourself in a basement reading cryptic man pages for months on end in order to have ninja like command line skills In reality if you had someone share their most powerful command line tips tricks and patterns you d save yourself a lot of time and frustration What if you could look over the shoulder of a good friend that just happened to be a command line guru What if they not only showed you the commands they were using but why they were using them and exactly how they worked And what if that friend took the time to write all of it down so you can refer to it whenever you liked Well a friend did just that Command Line Kung Fu is packed with dozens of tips and over 100 practical real world examples You won t find theoretical examples in this book The examples demonstrate how to solve actual problems and accomplish worthwhile goals The tactics are easy to find too Each chapter covers a specific topic and groups related tips and examples together For example if you need help extracting text from a file look in the Text Processing and Manipulation chapter Also a comprehensive index is included If you want to find every example where a given command is used even if it s not the main subject of the tip look in the index It will list every single place in the book where that command appears Here is just some of what you will learn by reading Command Line Kung Fu How to quickly and easily repeat commands in your shell history Shortcuts for grabbing specific words from your shell history to use in your current command How to save a copy of your command line session for later reference How to strip out blank lines and comments from files How to control colorized text when uses pipes and pagers Ways to transform text from changing case to substituting characters and more How to extract specific blocks of text from files or streams of input A quick tip to fix common typos How to edit files over the network How to compare the differences between files on your local computer and a remote one How to create and use SSH tunnels Ways to verify what programs are listening on what ports How to kill all the processes for a given user with a single command Strategies for dealing with multi hop SSH connections How to disconnect from a server in a way that will allow you to pick up where you left off How to automate software installs that require user input Shell scripting tips How to automatically keep repeating a command until it succeeds The right way to delete a file that is being written to How to surf the web from the command line and more importantly how to download anything from the web and interact with HTTP APIs Ways to determine who and what is using the most disk space How to secure your web browser session when using an open wifi hotspot How to generate random passwords from the command line Two tips for

easily creating backups Tips for handling tar archives How to replace a string in multiple files at once with just one command and much more What you learn in Command Line Kung Fu applies to any Linux distribution including Ubuntu Debian Linux Mint RedHat Fedora OpenSUSE Slackware and more Scroll up click the Buy Now With 1 Click button to get your black belt in Linux Command Line Kung Fu   Learning Linux Shell Scripting Ganesh Sanjiv Naik,2018-05-21 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   Linux Shell Scripting Cookbook Clif Flynt,Sarath Lakshman,Shantanu Tushar,2017-05-29 Do amazing things with the shell About This Book Become an expert in creating powerful shell scripts and explore the full possibilities of the shell Automate any administrative task you could imagine with shell scripts Packed with easy to follow recipes on new features on Linux particularly Debian based to help you accomplish even the most complex tasks with ease Who This Book Is For If you are a beginner or an intermediate Linux user who wants to master the skill of quickly writing scripts and automate tasks without reading the entire man pages then this book is for you You can start writing scripts and one liners by simply looking

at the relevant recipe and its descriptions without any working knowledge of shell scripting or Linux Intermediate advanced users system administrators developers and programmers can use this book as a reference when they face problems while coding What You Will Learn Interact with websites via scripts Write shell scripts to mine and process data from the Web Automate system backups and other repetitive tasks with crontab Create compress and encrypt archives of your critical data Configure and monitor Ethernet and wireless networks Monitor and log network and system activity Tune your system for optimal performance Improve your system s security Identify resource hogs and network bottlenecks Extract audio from video files Create web photo albums Use git or fossil to manage revision control and interact with FOSS projects Create and maintain Linux containers and Virtual Machines Run a private Cloud server In Detail The shell is the most powerful tool your computer provides Despite having it at their fingertips many users are unaware of how much the shell can accomplish Using the shell you can generate databases and web pages from sets of files automate monotonous admin tasks such as system backups monitor your system s health and activity identify network bottlenecks and system resource hogs and more This book will show you how to do all this and much more This book now in its third edition describes the exciting new features in the newest Linux distributions to help you accomplish more than you imagine It shows how to use simple commands to automate complex tasks automate web interactions download videos set up containers and cloud servers and even get free SSL certificates Starting with the basics of the shell you will learn simple commands and how to apply them to real world issues From there you ll learn text processing web interactions network and system monitoring and system tuning Software engineers will learn how to examine system applications how to use modern software management tools such as git and fossil for their own work and how to submit patches to open source projects Finally you ll learn how to set up Linux Containers and Virtual machines and even run your own Cloud server with a free SSL Certificate from letsencrypt org Style and approach This book will take you through useful real world recipes designed to make your daily life easier when working with the shell

The Ultimate Linux Shell Scripting Guide Donald A. Tevault,2024-10-18 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   <u>Shell Scripting</u> Harry Harvey,2017-09-07 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   <u>Pro Bash Programming</u> Chris Johnson,Jayant Varma,2015-02-07 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   **Shell Scripting** Steve Parker,2011-08-17 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

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Linux Shell Scripting With Bash Introduction

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