

## Command Line Kung Fu Bash Scripting Tricks Linux Shell Programming Tips And Bash One Liners

Penetration testers simulate cyber attacks to find security weaknesses in networks, operating systems, and applications. Information security experts worldwide use penetration techniques to evaluate enterprise defenses. In Penetration Testing, security expert, researcher, and trainer Georgia Weidman introduces you to the core skills and techniques that every pentester needs. Using a virtual machine-based lab that includes Kali Linux and vulnerable operating systems, you'll run through a series of practical lessons with tools like Wireshark, Nmap, and Burp Suite. As you follow along with the labs and launch attacks, you'll experience the key stages of an actual assessment—including information gathering, finding exploitable vulnerabilities, gaining access to systems, post exploitation, and more. Learn how to: –Crack passwords and wireless network keys with brute-forcing and wordlists –Test web applications for vulnerabilities –Use the Metasploit Framework to launch exploits and write your own Metasploit modules –Automate social-engineering attacks –Bypass antivirus software –Turn access to one machine into total control of the enterprise in the post exploitation phase You'll even explore writing your own exploits. Then it's on to mobile hacking—Weidman's particular area of research—with her tool, the Smartphone Pentest Framework. With its collection of hands-on lessons that cover key tools and strategies, Penetration Testing is the introduction that every aspiring hacker needs.

O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell.As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides.If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security

Say goodbye to unproductive Linux habits and switch to the express lane About This Book Improve your terminal and command-line productivity by using powerful tools Sharpen your existing command-line skills and achieve complex tasks faster Save time and money by creating customized commands that automate day-to-day tasks Who This Book Is For This book is for system administrators and developers who know the basics of Linux and want to brush up and sharpen their skills. Prior experience with Linux shell is required. What You Will Learn Optimize the power of Guake by integrating it with Clitp Deep dive into the workings of the console editor—Vim Explore the advanced concepts and best practices of shell scripting Edit large amounts of data quickly using Sed Use pipes and subshells to create customized commands Get to know how you can speed up the software development and make the terminal a handy companion In Detail Websites, online services, databases, and pretty much every other computer that offers public services runs on Linux. From small servers to clusters, Linux is anywhere and everywhere. With such a broad usage, the demand for Linux specialists is ever growing. For the engineers out there, this means being able to develop, interconnect, and maintain Linux environments. This book will help you increase your terminal productivity by using Terminator, Guake and other tools. It will start by installing Ubuntu and will explore tools and techniques that will help you to achieve more work with less effort. Next, it will then focus on Terminator, the ultimate terminal, and vim, one of the most intelligent console editors. Futhermore, the readers will see how they can increase their command line productivity by using sed, find, tmux, network, autoenv. The readers will also see how they can edit files without leaving the terminal and use the screen space efficiently and copy-paste like a pro. Towards the end, we focus on network settings, Git hacks, and creating portable environments for development and production using Docker. Through this book, you will improve your terminal productivity by seeing how to use different tools. Style and Approach This book takes a step-by-step approach using examples that show you how to automate tasks using terminal commands. You'll work through easy-to-follow instructions so you learn to use the various Linux commands and tools such as Terminator, Guake, and others.

If you are looking for a complete guide on how to install, configure, and use Linux as operating system, and a simple, step-by-step method for becoming a hacker, then keep reading... 4 Books in 1! This Book Includes: Linux for Beginners Linux for Hackers Hacking with Linux Hacking with Kali Linux Linux is a free and freely distributed operating system inspired by the UNIX system, written by Linus Torvalds with the help of thousands of programmers. Unlike other operating systems, such as MacOS (Apple operating system), UNIX is not intended to be easy to use, but to be extremely flexible. It is generally as easy to use as other operating systems, although great efforts are being made to facilitate its use. This operating system is an option to be taken into account by those users who are dedicated to work through networks, devote to programming, or learn hacking techniques. Especially for hackers, Linux is the best operating system on the market because it allows to perform a wide variety of tasks and transform your computer into an incredible hacking machine. Learn the hacking skills requires time. However, everything is possible with the correct guide and a lot of useful information. If you are ready to learn how to hack with Linux, then this book is your best bet. This is a detailed guide to learn all the principles of hacking and how to turn your Linux system into an unstoppable machine! You'll learn: Basic system concepts How to understand the user interface How to handle possible mistakes and errors How the operating system architecture works Basics of Linux and Hacking How to use Linux commands The correct hacking procedure Web and network hacking tools Ethical and unethical parts of hacking The hierarchy of hackers How to prevent cyber-attacks and malwares Cyber-security and cryptography Why is Kali Linux the best option for every hacker And much more Even if you are a complete beginner on programming this book will give you the correct information to understand the subject and start practicing today! As you reach the end of the book, you shall have a clearer picture of how the working environment works. The book has clear, simple explanations that can be easy to understand and thus, your journey towards learning how to hack shall be simplified. Start your journey! Develop underground hacking skills and turn your Linux system into a powerful, unbreakable, and unstoppable machine! Get This Book Today, Scroll Up and Click the Buy Now Button!

The Hitchhiker's Guide to Python

The Linux Operating System and Command Line Guide for Linux Administrators

Test-Driven Development with Python

The Linux Command Line, 2nd Edition

Attack and Defense with Python 3

Python Programming for Beginners

Shell Programming and Bash Scripting

***This fully updated study guide covers every topic on the current version of the CompTIA Security+ exam Get complete coverage of all objectives included on the CompTIA Security+ exam SY0-601 from this comprehensive resource. Written by a team of leading information security experts, this authoritative guide fully addresses the skills required to perform essential security functions and to secure hardware, systems, and software. You'll find learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam domains, including: Threats, Attacks, and Vulnerabilities Architecture and Design Implementation Operations and Incident Response Governance, Risk, and Compliance Online content includes: 250 practice exam questions Test engine that provides full-length practice exams and customizable quizzes by chapter or by exam domain***

***Linux 2019 NEW Easy User Manual to Learn the Linux Operating System and Linux Command Line How much do you know about the operating system Linux?This operating system was born in 1991. There are a huge number of Linux operating systems, each of which offers one or another advantage. Different versions of the OS can make it difficult to choose and take a considerable amount of time to search for the necessary exactly for your tasks. Ubuntu, Mint, Elementary, Fedora, opens USE. A list of user-friendly distributions may seem like an endless story. Do you need a simpler OS? For games? On the other hand, maybe you need a multimedia distribution for comfortable viewing and listening to media content. They are all available.If you're new to Linux, our book will help you. Here you will find: What is Linux and Why Use It? Benefits of the Linux operating system, How to choose the Linux Distributor, How to get started with Linux, How to connect Linux to the Internet, What is Shell and how to use it?About the text files with the text files How to manage running processes, And much more***

***\*Imparts good security doctrine, methodology, and strategies \*Each application-focused chapter will be able to be used as a stand-alone HOW-TO for that particular application. \*Offers users a selection of resources (websites, mailing lists, and books) to further their knowledge.***

***Learn Linux Administration and Supercharge Your Career!If you're looking to make the jump from being a Linux user to being a Linux administrator, this book is for you! If you're in windows administration and want to learn the ins and outs of Linux administration, start here. This book is also great for Unix administrators switching to Linux administration.Here is what you will learn by reading this Linux System Administration book: How the the boot process works on Linux servers and what you can do to control it. The various types of messages generated by a Linux system, where they're stored, and how to automatically prevent them from filling up your disks. Disk management, partitioning, and file system creation. Managing Linux users and groups. Exactly how permissions work and how to decipher the most cryptic Linux permissions with ease. Networking concepts that apply to system administration and specifically how to configure Linux network interfaces. How to use the nano, vi, and emacs editors. How to schedule and automate jobs using cron. How to switch users and run processes as others. How to configure sudo. How to find and install software. Managing process and jobs. How to make the most out of the Linux command line Several Linux commands you'll need to know Linux shell scripting What you learn in book applies to any Linux system including Ubuntu Linux, Debian, Linux Mint, RedHat Linux, CentOS, Fedora, SUSE Linux, Arch Linux, Kali Linux and more.Real Advice from a Real, Professional Linux AdministratorJason Cannon is the author of Linux for Beginners, the founder of the Linux Training Academy, and an instructor to over 40,000 satisfied students. He started his IT career in the late 1990's as a Unix and Linux System Engineer and he'll be sharing his real-world Linux experience with you throughout this book.By the end of this book you will fully understand the most important and fundamental concepts of Linux server administration. More importantly, you will be able to put those concepts to use in practical real-world situations. You'll be able to configure, maintain, and support a variety of Linux systems. You can even use the skills you learned to become a Linux System Engineer or Linux System Administrator.***

**Command Line Kung Fu**

**Optimize your command-line usage and development processes with pro-level techniques**

**Bash Cookbook**

**Ultimate Beginners Guide Book**

**Unix Shell Programming**

**Wicked Cool Shell Scripts, 2nd Edition**

**An Introduction to the Linux Operating System**

*Criticism, notes, and a bibliography accompany the text of the tragedy*

*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, Web & 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.*

*Do You Want to Master The Linux Operating System? Would You Like to Start Leveraging The Command Line System Fast and Easily? If your answer yes, but you have no programming experience, then this book will provide the basic knowledge and tools you need to become successful programmer with Linux Operating System! As an operating system, Linux is very efficient and has an excellent design. It is multitasking, multi-user, multi-platform and multiprocessor; on Intel platforms run in protected mode. It protects the memory so that a program cannot bring down the rest of the system. It loads only the parts of a program that are used and shares memory between programs increasing speed and decreasing memory usage. In The Linux Programming Bible, you'll discover everything you need to know to master shell scripting and make informed choices about the elements you employ. Here is what you'll learn from this groundbreaking book- Step-by-step instructions to set up and install Debian/GNU Linux Install virtual machines All about the Shell The Linux Directory Structure Write scripts that use AWK to search and reports on log files All the Linux commands you'll use most often Directory Hierarchy How to install your first few useful software on Linux System Configuration the Structure of /etc Environment Variables And Much More! This book is for anyone getting familiar with the Linux OS, and those looking for test-prep content as they study for the level-1 Linux certification! Whether you're a novice that wants to get up to speed using Linux or you're a power user looking for a reference guide with tips to help you become more productive faster than you could have imagined. Click the "Buy Now" button to get started with Linux right away!*

*Your one stop guide to making the most out of Bash programming About This Book From roots to leaves, learn how to program in Bash and automate daily tasks, pouring some spice in your scripts Daemonize a script and make a real service of it, ensuring it's available at any time to process user-fed data or commands This book provides functional examples that show you practical applications of commands Who This Book Is For If you're a power user or system administrator involved in writing Bash scripts to automate tasks, then this book is for you. This book is also ideal for advanced users who are engaged in complex daily tasks. What You Will Learn Understand Bash right from the basics and progress to an advanced level Customise your environment and automate system routine tasks Write structured scripts and create a command-line interface for your scripts Understand arrays, menus, and functions Securely execute remote commands using ssh Write Nagios plugins to automate your infrastructure checks Interact with web services, and a Slack notification script Find out how to execute subshells and take advantage of parallelism Explore inter-process communication and write your own daemon In Detail System administration is an everyday effort that involves a lot of tedious tasks, and devious pits. Knowing your environment is the key to unleashing the most powerful solution that will make your life easy as an administrator, and show you the path to new heights. Bash is your Swiss army knife to set up your working or home environment as you want, when you want. This book will enable you to customize your system step by step, making your own real, virtual, home out of it. The journey will take you swiftly through the basis of the shell programming in Bash to more interesting and challenging tasks. You will be introduced to one of the most famous open source monitoring systems—Nagios, and write complex programs with it in any languages. You'll see how to perform checks on your sites and applications. Moving on, you'll discover how to write your own daemons so you can create your services and take advantage of inter-process communication to let your scripts talk to each other. So, despite these being everyday tasks, you'll have a lot of fun on the way. By the end of the book, you will have gained advanced knowledge of Bash that will help you automate routine tasks and manage your systems. Style and approach This book presents step-by-step instructions and expert advice on working with Bash and writing scripts. Starting from the basics, this book serves as a reference manual where you can find handy solutions and advice to make your scripts flexible and powerful.*

**Advance Your Career Through Cloud Certification**

**Hardening Linux**

**An Introduction to the Linux Operating System and Command Line**

**Understanding Network Hacks**

**Linux Pocket Guide**

**A Complete Guide to Learn Linux Commands, Linux Operating System and Shell Scripting Step-by-Step**

**Attack, Defend, and Analyze from the Command Line**

Save when you buy this two book bundle - Linux for Beginners AND Command Line Kung FuLinux for Beginners information:If you want to learn how to use Linux, but don't know where to start read on. Knowing where to start when learning a new skill can be a challenge, especially when the topic seems so vast. There can be so much information available that you can't even decide where to start. Or worse, you start down the path of learning and quickly discover too many concepts, commands, and nuances that aren't explained. This kind of experience is frustrating and leaves you with more questions than answers. Linux for Beginners doesn't make any assumptions about your background or knowledge of Linux. You need no prior knowledge to benefit from this book. You will be guided step by step using a logical and systematic approach. As new concepts, commands, or jargon are encountered they are explained in plain language, making it easy for anyone to understand. Here is what you will learn by reading Linux for Beginners: How to get access to a Linux server if you don't already. What a Linux distribution is and which one to choose. What software is needed to connect to Linux from Mac and Windows computers. Screenshots included. What SSH is and how to use it, including creating and using SSH keys. The file system layout of Linux systems and where to find programs, configurations, and documentation. The basic Linux commands you'll use most often. Creating, renaming, moving, and deleting directories. Listing, reading, creating, copying, and deleting files. Exactly how permissions work and how to decipher the most cryptic Linux permissions with ease. How to use the nano, vi, and emacs editors. Two methods to search for files and directories. How to compare the contents of files. What pipes are, why they are useful, and how to use them. How and why to redirect input and output from applications. How to customize your shell prompt. How to be efficient at the command line by using aliases, tab completion, and your shell history. How to schedule and automate jobs using cron. How to switch users and run processes as others. Where to go for even more in-depth coverage on each topic. Command Line Kung Fu information: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.

If you want to learn how to use Linux and level up your career but are pressed for time, read on.As the founder of the Linux Training Academy and an instructor of several courses, I've had the good fortune of helping thousands of people hone their Linux skills. Interacting with so many people who are just getting started with the Linux operating system has given me invaluable insight into the particular struggles and challenges people face at this stage.One of the biggest challenges for people interested in learning the ins and outs of Linux is simply a lack of time. When you are working with a limited and extremely valuable resource you want to make sure you make the most of it.The next biggest challenge for Linux newcomers is knowing where to start. There is so much information available that deciding what to focus your attention on first is a big enough hurdle to keep many people from even starting. What's worse is starting down the path of learning only to discover too many concepts, commands, and nuances that aren't explained. This kind of experience is frustrating and leaves you with more questions than answers.That's why I've written this book.Not only have I condensed the most important material into five sections, each designed to be consumed in a day, I've also structured the content in a logical and systematic manner. This way you'll be sure to make the most out of your time by learning the foundational aspects of Linux first and then building upon that foundation each day.In Learn Linux in 5 Days you will learn the most important concepts and commands, and be guided step-by-step through several practical and real-world examples. As new concepts, commands, or jargon are encountered they are explained in plain language, making it easy to understand.Here is what you will learn by reading Learn Linux in 5 Days: How to get access to a Linux server if you don't already. What a Linux distribution is and which one to choose. What software is needed to connect to Linux from Mac and Windows computers. Screenshots included. What SSH is and how to use it, including creating

and using SSH keys. The file system layout of Linux systems and where to find programs, configurations, and documentation. The basic Linux commands you'll use most often. Creating, renaming, moving, and deleting directories. Listing, reading, creating, editing, copying, and deleting files. Exactly how permissions work and how to decipher the most cryptic Linux permissions with ease. How to use the nano, vi, and emacs editors. Two methods to search for files and directories. How to compare the contents of files. What pipes are, why they are useful, and how to use them. How to compress files to save space and make transferring data easy. How and why to redirect input and output from applications. How to customize your shell prompt. How to be efficient at the command line by using aliases, tab completion, and your shell history. How to schedule and automate jobs using cron. How to switch users and run processes as others. Where to go for even more in-depth coverage on each topic. What you learn in Learn Linux in 5 Days applies to any Linux environment including Ubuntu, Debian, Linux Mint, RedHat, Fedora, OpenSUSE, Slackware, and more.Scroll up, click the Buy Now With 1 Click button and get started learning Linux today!

Shell scripts are an efficient way to interact with your machine and manage your files and system operations. With just a few lines of code, your computer will do exactly what you want it to do. But you can also use shell scripts for many other essential (and not-so-essential) tasks. This second edition of Wicked Cool Shell Scripts offers a collection of useful, customizable, and fun shell scripts for solving common problems and personalizing your computing environment. Each chapter contains ready-to-use scripts and explanations of how they work, why you'd want to use them, and suggestions for changing and expanding them. You'll find a mix of classic favorites, like a disk backup utility that keeps your files safe when your system crashes, a password manager, a weather tracker, and several games, as well as 23 brand-new scripts, including: - ZIP code lookup tool that reports the city and state - Bitcoin address information retriever - suite of tools for working with cloud services like Dropbox and iCloud - for renaming and applying commands to files in bulk - processing and editing tools Whether you want to save time managing your system or just find new ways to goof off, these scripts are wicked cool!

This book explains how to see one's own network through the eyes of an attacker, to understand their techniques and effectively protect against them. Through Python code samples the reader learns to code tools on subjects such as password sniffing, ARP poisoning, DNS spoofing, SQL injection, Google harvesting, Bluetooth and Wifi hacking.

Furthermore the reader will be introduced to defense methods such as intrusion detection and prevention systems and log file analysis by diving into code.

Mastering Unix Shell Scripting

The Design of Web APIs

How to Automate Command Line Tasks Using Bash Scripting and Shell Programming

CompTIA Security+ All-in-One Exam Guide, Sixth Edition (Exam SY0-601)

2019 NEW Easy User Manual to Learn the Linux Operating System and Linux Command Line

Harness the Combinatoric Power of Command-Line Tools and Utilities

Pro Bash Programming, Second Edition

**Selected as One of the Village Voice's Favorite 25 Books of 2001 In this landmark work, historian Vijay Prashad refuses to engage the typical racial discussion that matches people of color against each other while institutionalizing the primacy of the white majority. Instead he examines more than five centuries of remarkable historical evidence of cultural and political interaction between Blacks and Asians around the world, in which they have exchanged cultural and religious symbols, appropriated personas and lifestyles, and worked together to achieve political change.**

**Linux is a Unix-like operating system that is one of the most popular open source operating systems on the planet. It is the heart of countless software products, from enterprise operating systems like Android and Red Hat Enterprise Linux, to hobbyist projects on a wide range of devices. Linux by Jason Cannon will teach you the basics of interacting with Linux, such as viewing and editing files and directories through the command line, and how to modify permissions. More advanced topics covered include I/O streams, sorting and comparing files and directories, and installing additional software. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business.**

**Werde ein Linux-Ninja mit Command Line Kung Fu! Denkst du auch, dass du dich monatelang in einem Keller einschließen musst, um kryptische man-pages zu lesen, damit du Ninja-artige Kommandozeilen-Skills bekommst? In Wirklichkeit könntest du dir schon eine Menge Zeit und Frust ersparen, wenn du einfach nur jemanden hättest, der dir seine Tipps, Tricks und Tools zeigt. Was wäre, wenn du einem guten Freund über die Schulter schauen könntest, der nebenher zufällig ein Kommandozeilen-Guru ist? Wenn er dir nicht nur die Befehle zeigt, die er verwendet, sondern auch warum er sie verwendet und wie sie genau funktionieren? Und was wäre, wenn dieser Freund sich die Zeit nehmen würde, all das aufzuschreiben, damit du es nachlesen kannst? Wann immer du willst? Tatsächlich gibt es diesen Freund, und er hat genau das getan. Command Line Kung Fu ist vollgepackt mit dutzenden Tipps und über 100 Beispielen aus dem echten Leben. In diesem Buch wirst du keine theoretischen Beispiele finden, sondern lernen, wie du echte Probleme lösen und im Alltag relevante Aufgaben schnell und einfach erledigen kannst. Die einzelnen Techniken sind außerdem leicht aufzufinden. Jedes Kapitel behandelt ein spezielles Thema und inhaltlich zusammengehörige Tipps und Beispiele. Wenn du zum Beispiel Hilfe dabei benötigst, Text aus einer Datei zu extrahieren, kannst du einfach in das Kapitel zur Textmanipulation schauen. Hier sind ein paar Beispiele von dem, was du in Command Line Kung Fu lernen wirst: •Wie du einfach und schnell Befehle aus deiner Shell-Historie wiederholst •Wie du bestimmte Wörter aus deiner Shell-Historie herausholst, um sie in einem neuen Befehl wiederzuverwenden •Wie du eine Kopie deiner Kommandozeilensitzung speicherst •Wie du Leerzeilen und Kommentare aus Dateien entfernst •Texttransformation: von der Änderung der Groß- und Kleinschreibung bis zum Austau**

**An easy-to-understand, step-by-step practical guide that shows you how to use the Linux Bash terminal tools to solve information security problems. If you are a penetration tester, system administrator, or developer who would like an enriching and practical introduction to the Bash shell and Kali Linux command-line-based tools, this is the book for you.**

**Learning the bash Shell**

**Learn Linux in 5 Days**

**Best Practices for Development**

**Afro-Asian Connections and the Myth of Cultural Purity**

**Working with Linux - Quick Hacks for the Command Line**

**Linux Command Line and Shell Scripting Bible**

**A Hands-On Introduction to Hacking**

Windows Terminal Tips, Tricks, and Productivity Hacks is a comprehensive guide to using Windows Terminal effectively. This book will show you how to customize the platform, work with developer tools such as Git and SSH, and more, while equipping you with the skills you need in the real world.

This is "the Word" -- one man's word, certainly -- about the art (and artifice) of the state of our computer-centric existence. And considering that the "one man" is Neal Stephenson, "the hacker Hemingway" (Newsweek) -- acclaimed novelist, pragmatist, seer, nerd-friendly philosopher, and nationally bestselling author of groundbreaking literer Cryptonomicon, etc., etc.) -- the word is well worth hearing. Mostly well-reasoned examination and partial rant, Stephenson's In the Beginning... was the Command Line is a thoughtful, irreverent, hilarious treatise on the cyber-culture past and present; on operating system tyrannies and downloaded popular revolutions; on the Internet, Disruption, and the meaning of life itself.

Web APIs are everywhere, giving developers an efficient way to interact with applications, services, and data. Well-designed APIs are a joy to use; poorly-designed APIs are cumbersome, confusing, and frustrating. The Design of Web APIs is a practical, example packed guide to crafting extraordinary web APIs. Author Arnaud Lauret demonstrates principles and techniques you can apply to both public and private web APIs. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

This book is an exploration of Shell programming, also referred to as Bash Scripting. It begins by guiding you on how to automate the various tasks in UNIX by using the Shell scripts. The book also guides you on the effective steps on how to write the Shell scripts. In UNIX, we should come up with an effective mechanism for management packages. This book guides you on the effective way to do this in Shell. You are also guided on how to use the various UNIX editors such as the Vim editor, nano, and GNOME. You will learn how to use the various shortcuts provided by these text editors, as well as how to navigate within your file opened in the text editor. Structured commands in Shell, are discussed in detail. You will learn how to use such statements for decision-making as well as for looping through your program. You are also guided on how to manipulate your text, as well as how to use regular expressions. In some programs, it is good for you to implement a mechanism for accepting user input and then making use of that input. This book clearly guides you on how to do this in Bash scripting. Command line arguments have also been explored in detail. The following topics are discussed in this book: - Automate Tasks with Simple Script Utilities - Creating Shell Scripts - Manage Filesystems and Software Packages - Work with nano, KDE, and GNOME editors - Shell Manipulation, and Regular Expressions - Keyboard Input - Command Line Arguments

Penetration Testing with the Bash shell

A practical guide to Linux command-line, Bash scripting, and Shell programming, 2nd Edition

Command Line Kung Fu: Bash-Scripting-Tricks, Linux-Tipps und praktische Einzeiler für die Shell

Everybody Was Kung Fu Fighting

Scripting the GNU/Linux Shell

Linux Administration

Penetration Testing

***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 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. 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!***

***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.***

***This book is written in a Cookbook style and it offers learning through recipes with examples and illustrations. Each recipe contains step-by-step instructions about everything necessary to execute a particular task. The book is designed so that you can read it from start to end for beginners, or just open up any chapter and start following the recipes as a reference for advanced users.If you are a beginner or an intermediate user who wants to master the skill of quickly writing scripts to perform various tasks without reading the entire manual, this book is for you. You can start writing scripts and one-liners by simply looking at the similar recipe and its descriptions without any working knowledge of shell scripting or Linux. Intermediate/advanced users as well as system administrators/ developers and programmers can use this book as a reference when they face problems while coding.***

***By taking you through the development of a real web application from beginning to end, the second edition of this hands-on guide demonstrates the practical advantages of test-driven development (TDD) with Python. You'll learn how to write and run tests before building each part of your app, and then develop the minimum amount of code required to pass those tests. The result? Clean code that works. In the process, you'll learn the basics of Django, Selenium, Git, jQuery, and Mock, along with current web development techniques. If you're ready to take your Python skills to the next level, this book—updated for Python 3.6—clearly demonstrates how TDD encourages simple designs and inspires confidence. Dive into the TDD workflow, including the unit test/code cycle and refactoring Use unit tests for classes and functions, and functional tests for user interactions within the browser Learn when and how to use mock objects, and the pros and cons of isolated vs. integrated tests Test and automate your deployments with a staging server Apply tests to the third-party plugins you integrate into your site Run tests automatically by using a Continuous Integration environment Use TDD to build a REST API with a front-end Ajax interface***

**Linux**

**Linux for Beginners and Command Line Kung Fu**

**101 Scripts for Linux, OS X, and UNIX Systems**

**Solutions and Examples for Bash Users**

**Cybersecurity Ops with bash**

**Obey the Testing Goat: Using Django, Selenium, and JavaScript**

**Mastering Linux Shell Scripting,**

*If you hope to outmaneuver threat actors, speed and efficiency need to be key components of your cybersecurity operations. Mastery of the standard command line interface (CLI) is an invaluable skill in times of crisis because no other software application can match the CLI's availability, flexibility, and agility. This practical guide shows you how to use the CLI with the bash shell to perform tasks such as data collection and analysis, intrusion detection, reverse engineering, and administration. Authors Paul Troncone, founder of Digadel Corporation, and Carl Albing, coauthor of bash Cookbook (O'Reilly), provide insight into command line tools and techniques to help defensive operators collect data, analyze logs, and monitor networks. Penetration testers will learn how to leverage the enormous amount of functionality built into every version of Linux to enable offensive operations. With this book, security practitioners, administrators, and students will learn how to: Collect and analyze data, including system logs Search for and through files Detect network and host changes Develop a remote access toolkit Format output for reporting Develop scripts to automate tasks*

*The command-line interface is making a comeback. That's because developers know that all the best features of your operating system are hidden behind a user interface designed to help average people use the computer. But you're not the average user, and the CLI is the most efficient way to get work done fast. Turn tedious chores into quick tasks: read and write files, manage complex directory hierarchies, perform network diagnostics, download files, work with APIs, and combine individual programs to create your own workflows. Put down that mouse, open the CLI, and take control of your software development environment. No matter what language or platform you're using, you can use the CLI to create projects, run servers, and manage files. You can even create new tools that fit right in with grep, sed, awk, and xargs. You'll work with the Bash shell and the most common command-line utilities available on macOS, Windows 10, and many flavors of Linux. Create files without opening a text editor. Manage complex directory structures and move around your entire file system without touching the mouse. Diagnose network issues and interact with APIs. Chain several commands together to transform data, and create your own scripts to automate repetitive tasks. Make things even faster by customizing your environment, creating shortcuts, and integrating other tools into your environment. Hands-on activities and exercises will cement your newfound knowledge and give you the confidence to use the CLI to its fullest potential. And if you're worried you'll wreck your system, this book walks you through creating an Ubuntu virtual machine so you can practice worry-free. Dive into the CLI and join the thousands of other devs who use it every day. What You Need: You'll need macOS, Windows 10, or a Linux distribution like Ubuntu, Fedora, CentOS, or Debian using the Bash shell.*

*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.*

*The key to mastering any Unix system, especially Linux and Mac OS X, is a thorough knowledge of shell scripting. Scripting is a way to harness and customize the power of any Unix system, and it's an essential skill for any Unix users, including system administrators and professional OS X developers. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. bash Cookbook teaches shell scripting the way Unix masters practice the craft. It presents a variety of recipes and tricks for all levels of shell programmers so that anyone can become a proficient user of the most common Unix shell -- the bash shell -- and cygwin or other popular Unix emulation packages. Packed full of useful scripts, along with examples that explain how to create better scripts, this new cookbook gives professionals and power users everything they need to automate routine tasks and enable them to truly manage their systems -- rather than have their systems manage them.*

*An Introduction to the Python Computer Language and Computer Programming*

*A Complete Introduction*

*The Ultimate Guide to Microsoft Certification*

*In the Beginning...Was the Command Line*

*Mastering Bash*

*Shell Scripting*

*The Tragedy of King Lear*

Which Microsoft Certification should you choose? This book give you the answers you need, so you can advance your career."I find this book quite useful based on what I have seen so far. And I believe, it's gonna be a good resource to learn more about the updated Microsoft certifications" – Shashi KumarMicrosoft Certification offers learning and career growth paths for self-paced learners looking to grow their skills and stay up-to-date in the rapidly changing landscape of the Microsoft Azure cloud.What certifications are available for beginners, or experienced engineers? What about for those new to IT? What about for the experts looking to go the extra mile? Find out how to earn the certification that is best for you, your experience, and your individual career goal!

Provides readers with end-to-end shell scripts that can be used to automate repetitive tasks and solve real-world system administration problems Targets the specific command structure for four popular UNIX systems: Solaris, Linux, AIX, and HP-UX Illustrates dozens of example tasks, presenting the proper command syntax and analyzing the performance gain or loss using various control structure techniques Web site includes all the shell scripts used in the book

O'Reilly's Pocket Guides have earned a reputation as inexpensive, comprehensive, and compact guides that have the stuff but not the fluff. Every page of Linux Pocket Guide lives up to this billing. It clearly explains how to get up to speed quickly on day-to-day Linux use. Once you're up and running, Linux Pocket Guide provides an easy-to-use reference that you can keep by your keyboard for those times when you want a fast, useful answer, not hours in the man pages.Linux Pocket Guide is organized the way you use Linux: by function, not just alphabetically. It's not the 'bible of Linux; it's a practical and concise guide to the options and commands you need most. It starts with general concepts like files and directories, the shell, and X windows, and then presents detailed overviews of the most essential commands, with clear examples. You'll learn each command's purpose, usage, options, location on disk, and even the RPM package that installed it.The Linux Pocket Guide is tailored to Fedora Linux--the latest spin-off of Red Hat Linux--but most of the information applies to any Linux system.Throw in a host of valuable power user tips and a friendly and accessible style, and you'll quickly find this practical, to-the-point book a small but mighty resource for Linux users.

Python Programming for Beginners doesn't make any assumptions about your background or knowledge of Python or computer programming. You need no prior knowledge to benefit from this book. You will be guided step by step using a logical and systematic approach. As new concepts, commands, or jargon are encountered they are explained in plain language, making it easy for anyone to understand.--Publisher's description.

**Bash Scripting Tricks, Linux Shell Programming Tips, and Bash One-Liners**

**Small, Sharp Software Tools**

**Windows Terminal Tips, Tricks, and Productivity Hacks**

**Linux Shell Scripting Cookbook**

**This Book Includes 4 Manuscripts. The Underground Bible to the UNIX Operating System with Tools On Security and Kali Hacking to Understand Computer Programming, Data Science and Command Line (How to Become a Hacker with Networking for Beginners)**

**Linux for Beginners**

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.

If you want to learn how to use Linux, but don't know where to start read on. Knowing where to start when learning a new skill can be a challenge, especially when the topic seems so vast. There can be so much information available that you can't even decide where to start.

Or worse, you start down the path of learning and quickly discover too many concepts, commands, and nuances that aren't explained. This kind of experience is frustrating and leaves you with more questions than answers. Linux for Beginners doesn't make any assumptions about your background or knowledge of Linux. You need no prior knowledge to benefit from this book. You will be guided step by step using a logical and systematic approach. As new concepts, commands, or jargon are encountered they are explained in plain language, making it easy for anyone to understand. Here is what you will learn by reading Linux for Beginners: How to get access to a Linux server if you don't already. What a Linux distribution is and which one to choose. What software is needed to connect to Linux from Mac and Windows computers.

Screenshots included. What SSH is and how to use it, including creating and using SSH keys. The file system layout of Linux systems and where to find programs, configurations, and documentation. The basic Linux commands you'll use most often. Creating, renaming, moving, and deleting directories. Listing, reading, creating, editing, copying, and deleting files. Exactly how permissions work and how to decipher the most cryptic Linux permissions with ease. How to use the nano, vi, and emacs editors. Two methods to search for files and directories. How to compare the contents of files. What pipes are, why they are useful, and how to use them. How to compress files to save space and make transferring data easy. How and why to redirect input and output from applications. How to customize your shell prompt. How to be efficient at the command line by using aliases, tab completion, and your shell history. How to schedule and automate jobs using cron. How to switch users and run processes as others. Where to go for even more in-depth coverage on each topic. What you learn in "Linux for Beginners" applies to any Linux environment including Ubuntu, Debian, Linux Mint, RedHat, Fedora, OpenSUSE, Slackware, and more. Scroll up, click the Buy Now With 1 Click button and get started learning Linux today!

You've experienced the shiny, point-and-click surface of your Linux computer--now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell (or command line). Along the way you'll learn the timeless skills handed down by generations of experienced, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to:

- Create and delete files, directories, and symlinks
- Administer your system, including networking, package installation, and process management
- Use standard input and output, redirection, and pipelines
- Edit files with Vi, the world's most popular text editor
- Write shell scripts to automate common or boring tasks
- Slice and dice text files with cut, paste, grep, patch, and sed

Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust.

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.