

Linux A Comprehensive Beginners Guide To Learn And Execute Linux Programming Volume 1

This book is a beginner's guide for fast learning Linux commands which are frequently used by Linux administrators or beginners. The book covers all essential Linux commands as well as their operations, examples and explanations. It also includes Linux Helping commands, symbols, shortcut keys, run levels and Vi commands. From this book, you can easily learn: How to run all essential Linux commands. How to copy, move, and delete files and directories. How to create, remove, and manage users and groups. How to access Linux server, and use SSH commands. How to operate the run levels and change the run levels. How to navigate at the command line by helping commands. How to compare files, find out a file, manipulate file contents. How to start a job, stop a job and schedule a job. How to manage permissions, ownership of files, directories. How to connect across network, communicate with network. How to transfer files over network, send network messages And much more skill..... There is a long chart containing all common Linux commands in this book, which can give you a great help in your job or study. You can learn all essential Linux commands quickly.

Are You Thinking of Starting to Use Linux? You Don't Know Much About it and You're Not Sure You Can Learn how to use it? Linux is available free of charge, which makes it available for everyone who wishes to learn it. Once you install Linux on your computer, you become part of a huge Linux community where you can learn everything about Linux from people who are willing to help newbies like you. I have highlighted to you a basic overview of using Linux, with plenty of examples to try out. Linux isn't all that difficult to learn. Once you get into it, you will find that you pick it up quite quickly, but - and I cannot stress this enough - you must practice. This book entails the following; Step by Step Installation Choosing the Right Distro Popular Linux Software Day to Day Life Use of Linux Basic Linux Commands The Linux Shell The Linux File System AND MORE! Even if you don't have any programming experience by the end of this book you will be able to use and maintain a Linux system! Scroll up and click the buy now button and start your new experience with Linux!

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.

As a PC user, are you in search of a beginner's guide that will teach you everything there is to know about the Linux operating system, or are you simply looking to try out the Linux system for your PC? Then you should opt for this guide. Indisputably, Linux is by far one of the most powerful and well performing operating system you can find anywhere in the world. Although macOS and Windows are the major leaders in the world because they are very popular in the technology market, but it still doesn't take the fact away that Linux is a powerful OS. First, Linux is an open source OS, that manages and control's a system's resources and hardware, such as memory, CPU and others. If you are not sure about what Linux is and what it represents, you have no worry since you stumbled upon this guide. Luckily, in this guide, Linux for beginners, readers will learn everything about Linux, Operating System, UNIX, difference between Linux and UNIX, how to install Linux OS and so much more. In addition, users will discover how to choose the best Linux distributions among all other kinds of distribution depending on your preference and requirements. Furthermore, this book, Linux for beginners, will also broaden your horizon to learning the basic Linux commands, how to shut down, restart, reboot, compress, archive files and so many other things. At the end of this guide, users will have the confidence to obtain a Linux operating system, install it, and begin using it. Here are some of the things you stand to learn in this guide:

Meaning of Linux How is Linux working OS utilized? What is an Operating system? Definition of UNIX Difference between Linux and UNIX Benefits of Linux How to choose Linux distribution Ubuntu and Linux Mint SuSE Linux Red Hat/CentOS/Fedora Slackware and Arch Linux Basic Linux Commands Installing Linux What type of PC is needed? Video Card How to install a Linux distribution How to copy an ISO image to CD or DVD About Sort Command How to sort files Open and edit files How to create a collection of files How to create a file using touch command How to create a file using the redirection operator How to create a large file How to compress files to save space Alternatives to Microsoft Office Alternatives to Internet Explorer Alternatives to Photoshop Alternatives to Adobe Acrobat Reader What is shell scripting? Types/Kinds of Shell How to write a shell script Shell Variables Why you should use Linux How to partition disk Features of Ubuntu 20.04 LTS Linux security tips Linux network administration How to know a file's type How to know the file type of several files How to delete, copy, move, and rename files Environmental variables Common Environment Variables Files and Directory Permissions File and Directory - Real Ownership Adding a User Group Requirements to add a User Group Adding a User to Several Groups Simultaneously Adding a User and Add to Group How to Delete a Created Group List of Well-Known Groups in Linux System Shutdown, Restart, and Logout Commands Archives and Compressed File Commands And many more.... This is just a few of what is contained in this book and you can Download FREE with Kindle Unlimited So what are you waiting for? Scroll up and Click the Orange - BUY NOW WITH 1-CLICK BUTTON- on the top right corner and Download Now!!! You won't regret you did See you inside!!!

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. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, 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. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

!! 55% OFF for Bookstores!! NOW at 26,95 instead of 36.95 !! Are you interested to learn the art of hacking? Your Customers Never Stop to Use this Complete Guide! This book explains Hacking using an operating system that is created for this sole purpose. As a hacker one needs to understand basic Linux commands along with bash and python scripting. This book has provided a lot of bash and python examples that will make you start with the hacking scripting. Do you will learn, also, to safeguard your systems, equipment, and network against hacking attacks. Keen readers will, by the end of this book, understand how their systems work, how to scan, and how to gain access to your computer. Find out what are the gems you can find in this book below. - Hacking process along with clear instructions. This is more like a starting tip for the beginner hackers. - Installation of virtual machine VM ware and Installation of kali Linux in detail. - Bash scripting with a lot

of examples. We will explain variables, conditionals, and looping in Bash scripting. - Python scripting with a lot of examples. We will explain variables, classes, objects in python scripting. - Network management and a lot of methods to spoof addresses. - Process management, along with examples. We give so many methodologies to kill a process and prioritizing processes. - Description of the Logging system and its uses. - Automating tasks. - About TOR bundle, Vpn and Proxy chains. - Web hacking using the Burp Suite. You will also find out how you can protect your computer from all the hacker's attacks! Even if you've never used Linux, you can learn it quickly. Buy it NOW and let your customers get addicted to this awesome book!

If you want to learn the art of hacking, then keep reading... This book explains Hacking using an operating system that is created for this sole purpose. We start with an introduction to the world of hacking along with a lot of examples and processes that hackers use in their real life testing methods. As a hacker, one needs to understand basic Linux commands along with bash and python scripting. This book has provided a lot of bash and python examples that will make you start with the hacking scripting. In the next chapters, we have discussed about Network management, process management and several other parts of Linux architecture in detail. In the subsequent chapter, a whole section is dedicated about VPN and Tor network. We have explained everything in Layman's concept along with a lot of examples. Apart from this in the last chapter, we have made a whole new strategy to attack web using Burp suite an important kali Linux tool. Below we will explain about the exciting parts of the book without any delay. Find out what are the gems you can find in this book below. Hacking process along with clear instructions. This is more like a starting tip for the beginner hackers. Installation of virtual machine VM ware and Installation of kali Linux in detail. Bash scripting with a lot of examples. We will explain variables, conditionals and looping in Bash scripting. Python scripting with a lot of examples. We will explain variables, classes, objects in python scripting. Network management and a lot of methods to spoof addresses. Process management along with examples. We give so many methodologies to kill a process and prioritizing processes. Description about the Logging system and its uses. Automating tasks. About TOR bundle, Vpn and Proxy chains. Web hacking using the Burp suite. Even if you've never used Linux, you can learn it quickly. Why are you waiting still? Go grab this hell of a hacking book now. Scroll up and click BUY NOW button!

The Linux Mint Beginner's Guide will show you how to get the most out of Linux Mint, from using the Cinnamon desktop environment to advanced command-line tasks. In the Guide, you will learn how to: -Install Linux Mint. -Use the desktop environment. -Manage files and folders. -Manage users, groups, and file permissions. -Install software on a Linux Mint system, both from the command line and the GUI. -Configure network settings. -Use the vi editor to edit system configuration files. -Install and configure a Samba server for file sharing. -Install SSH for remote system control using public key/private key encryption. -Install a LAMP server. -Install web applications like WordPress. -Configure an FTP server. -Manage ebooks. -Convert digital media. -And many other topics.

This book aims to provide beginners a starting guide to learn the Linux command line. Linux commands is what makes Linux so powerful. You can do everything directly from the command line. In this book, we will cover how to install Linux, Linux directory system, shell, learning Fish, and much more! It doesn't matter if you are a student or a working professional, this book can help you get the Linux command basics just right. This book is also useful for those who want to start a Linux-based career. If you want to teach Linux, this book can be a great starting point. As a student, you can use this book as a supplement to aid your education -- a book that dives deep into the Linux command realm. We will teach you how to equip yourself with practical knowledge that can help you solve problems faster. Each Linux command discussed in this book is detailed to provide the necessary things that are useful. Also, it is not practically possible to cover all the commands. But, rest assured, you will learn all of the must-needed commands. We also cover some must-know theory surrounding Linux concepts, which will help you understand the context. In this book, you will get to learn the following: Learn how to install and prepare Linux Get started with the shell Understand Linux Directory system Learn Fish, a user-friendly interactive terminal General Purpose Utilities Understanding the Linux Filesystem Hierarchy Standard(FHS) Learn advanced editors including Vi and Nano Processes Prompt customization Basic administration Package management and storage By reading this book, you will be able to work with Linux confidently. You will be able to install and manage Linux both on your machine and remotely. No time to delay! Get started now.

Become an expert in Kali Linux within no time! Do you want to learn about Kali Linux? Do you want to improve your knowledge about advanced security protocols? However, you aren't sure where to begin? Does all the information available online seem overwhelming and quite complicated? If yes, then this is the perfect book for you. This book is a beginner's guide to learn Kali Linux. Armed with the information given in this book, you can use Kali Linux quite easily and become an expert in it within no time. Kali Linux is believed to be amongst the best open-source security packages, which can be used by an ethical hacker. It consists of different sets of tools, which are divided into various categories. The user can install it as an operating system in the machine. The applications of Kali Linux have certainly evolved since it was first developed. Now, it is not only the best platform available for an information security professional, but it has become an industrial-level operation system distribution. In this book, you will learn about The basics of Kali Linux How to install Kali Linux Steps to download Kali Linux About ARM devices Tips for troubleshooting The applications and use of Kali Linux Different tools available in Kali Linux, and much more! If you want to learn about all this, then this book is your go-to option. Now, all that's left for you to do is grab your copy today and start learning! What are you waiting for?

You too Can be a White Hat Hacking Genius If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step. Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, filesystems, networking, BASH basics, package management, logging, and the Linux kernel and drivers. Hacking With Linux takes you from your very first baby steps in installing Kali all the way to learning the basics of working your way into a network and taking control of a Linux environment. Along the way you'll learn the basics of bash scripting, directory setup and all the handy tips and tricks passed down over the years by your fellow ethical hackers! You can also learn? I - Cover your tracks by changing your network information and manipulating the rsyslog logging utility I - Write a tool to scan for network connections, and connect and listen to wireless networks I - Keep your internet activity stealthy using Tor, proxy servers, VPNs, and encrypted email I - Write a bash script to scan open ports for potential targets I - Use and abuse services like MySQL, Apache web server, and OpenSSH I - Build your own hacking tools, s Stop trying to recreate the wheel and start from the beginning. This practical guide will help you make sense of the exciting world of ethical hacking and cyber security.

Linux The Complete Step-By-Step Beginner's Guide To Linux Operating System, Linux Kernel And Linux Command Line! The highlighting features of this era of human civilization are the development which has been bestowed upon to the human race. The key contributing feature of this development is technology, which has served as a miracle. There is not even a single domain of modern era which has not cherished the benefits of technology. The field of information technology and software development is one of the results of this development. This book is the first step for all those who are interested in learning Linux and its miraculous applications. Learning a programming domain is surely not easy but this book has been written in a user-friendly way so that all of the aspects of this domain can be learned in a better way. This book has been written in a particular way so that learning a new programming software becomes as easy as possible. The major sections mentioned in this book are specifically focusing towards the following chief issues connected to Linux; all highlighted enough to assist the readers in approaching to the ultimate excellence of this operating system. The preliminary introduction related to Linux, to make the reader

hacking techniques? If your answer is YES, then this is the perfect book for you! Who is a Hacker? A Hacker is a person who finds and exploits the weakness in computer systems and/or networks to gain access and are classified according to the intent of their actions. Hacking is the general term that is used to describe activities by persons or users that move off with your e-mail records, your user system, network and Internet user settings. Put, it is an effort by hackers and their individual to use the Web or Internet network to intrude on your PC or laptop and steal your most important information. A computer user can be hacked by a hacker if he or she manages to get the password or feedback from the individuals and use that information to their advantage. In this guidebook, we are going to take a look at some of the ways that we can learn about wireless penetration, and how a hacker is able to get onto your system and take advantage, often without you having any idea. In this book, you will learn about The Basic of Cybersecurity How to Install Kali Linux Wireless Network Hacking and how to Scan Network Kali Tools Basic of VPN, TOR and PROXY CHAINS and How to Use them for Security How to Hack a Wireless Network Practical Hacking Examples Even if you are a complete beginner, this book will act as your guide to enter into the world of ethical hacking and cybersecurity. Why are you waiting still? Go grab this hell of a hacking book now. Scroll up and click BUY NOW button!

Linux for Hackers is a beginner's overview into the Linux hacking operating system distribution, and how to utilize the number of tools that come pre-installed in the hacking distributions. This book will also discuss what hacking is and go into great detail about the different ways of hacking that are available today. The chapters are broken down into an easy to follow guide. In this guide we'll cover: Linux Basics. A hacker introduction. Introduces the reader to basic Linux concepts, what it is, and what components make up the Linux operating system. The concepts will detail the different types of Linux distributions that are utilized mostly by hackers. We will do a deep dive into the Linux Kernel, Linux File system, Linux Process Management and Linux Command Line. Introduction to Hacking. We will be discussing what hacking is and the different types of hackers there are. We will detail the top 10 Linux distributions that are used for hacking. Introduction Kali Linux. We'll look at the most prevalent Linux hacking distribution called Kali Linux. Includes a full overview of Kali Linux, its capabilities, and the built-in hacking tools. Basic Networking Concepts. We'll cover the basic Networking concepts used in our everyday life and applicable knowledge for the novice hacker. We'll cover networking reference models and look at the hardware devices active in any network, from switches to routers. Linux Networking. A basic discussion of Linux Networking. We will be looking at networking services in the Linux operating system and the tools used to gather information about the services. Basic Scripting Basics. Hackers need to have a clear grounding in shell scripting. We will discuss all the types of shells in Linux and how to create scripts for them. Perl Scripting Basics. We will introduce the reader to Perl scripting. This will discuss the Perl scripting syntax, the Perl script constructs, and the basics of writing a Perl script. Installing Kali Linux LAB. This chapter is a LAB that will take the novice hacker through the process of working with one of the tools in Kali Linux. We are going to have a look at the Maltego tool to gather information and perform a hack. Whether you are interested in a career in hacking, protecting yourself from hackers, or just curious, this book is an excellent beginners guide into the world of hacking with Linux.

Are you interested in learning about Linux Command Line? Is this something that is new to your operating system, or you are looking to use? If it is, then this book, Linux Command Line: The Complete Beginner's Guide to Learn Linux Command Line, will show you an in-depth overview of all you will need to know to get started with Linux Command Line. Here's a quick look at a few of the topics inside the book: Environmental setup Installation Basic commands and variables And everything in between You will seamlessly be taken from a beginner as you master the basics, and turned into a knowledgeable experienced user. This book will provide you with the perfect starting point help you expand as you progress. Scroll up and get your copy now!

Develop advanced skills for working with Linux systems on-premises and in the cloud Key Features Become proficient in everyday Linux administration tasks by mastering the Linux command line and using automation Work with the Linux filesystem, packages, users, processes, and daemons Deploy Linux to the cloud with AWS, Azure, and Kubernetes Book Description Linux plays a significant role in modern data center management and provides great versatility in deploying and managing your workloads on-premises and in the cloud. This book covers the important topics you need to know about for your everyday Linux administration tasks. The book starts by helping you understand the Linux command line and how to work with files, packages, and filesystems. You'll then begin administering network services and hardening security, and learn about cloud computing, containers, and orchestration. Once you've learned how to work with the command line, you'll explore the essential Linux commands for managing users, processes, and daemons and discover how to secure your Linux environment using application security frameworks and firewall managers. As you advance through the chapters, you'll work with containers, hypervisors, virtual machines, Ansible, and Kubernetes. You'll also learn how to deploy Linux to the cloud using AWS and Azure. By the end of this Linux book, you'll be well-versed with Linux and have mastered everyday administrative tasks using workflows spanning from on-premises to the cloud. If you also find yourself adopting DevOps practices in the process, we'll consider our mission accomplished. What you will learn Understand how Linux works and learn basic to advanced Linux administration skills Explore the most widely used commands for managing the Linux filesystem, network, security, and more Get to grips with different networking and messaging protocols Find out how Linux security works and how to configure SELinux, AppArmor, and Linux iptables Work with virtual machines and containers and understand container orchestration with Kubernetes Work with containerized workflows using Docker and Kubernetes Automate your configuration management workloads with Ansible Who this book is for If you are a Linux administrator who wants to understand the fundamentals and as well as modern concepts of Linux system administration, this book is for you. Windows System Administrators looking to extend their knowledge to the Linux OS will also benefit from this book.

? 55% OFF for Bookstores! ? Discounted Retail Price ? Buy it NOW and let your customers get addicted to this amazing book! ??? Special Deal - PROMO for Bookstores 55% OFF ??? Are you looking for a guide which enables you to use Linux like a pro? Your customers will go crazy over this awesome book

Linux - The Complete Beginner's Guide! 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. 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. Here Is A Preview Of What Inside The Book: 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. Take Action Today and Learn Linux in no time! Click the "Buy now with 1-Click" to the right and get this guide immediately. ?? Buy the Paperback Version of this Book and get the Kindle Book version for FREE ?? Are you tired of seeing Windows...well, everywhere? Do you feel like it's getting a bit boring to use? Maybe you're simply looking for customization. After all, you want your PC to be personal. If the answer to these questions is YES, then keep reading... Do you enjoy having total control over your device? Do you feel like your operating system has been limiting you? Are you looking for a change of pace? If your answer to these questions is yes, then Linux might be just the thing for you. This isn't a book for tech geeks. It won't teach you programming or hacking. Rather, this is a book for someone that enjoys using their PC for what it was made to do. Sure, after reading this book you might move on to programming or hacking, but as the saying goes, you have to learn to walk before you learn to run. This book will teach you to walk. We'll be going over all of the important basic parts of Linux, ranging from Distros ("flavors" of Linux, each of which has different properties) to microkernels. This book is meant to be a comprehensive beginner's guide to Linux. Everything you need to know in order to start your Linux journey is found within these pages. Scroll up and click the BUY NOW BUTTON! The term Linux refers to an operating system, or kernel, developed by Linus Torvalds and a few other contributors. It was publicly released for the first time in September 1991 and its introduction completely changed how users would experience computing for personal and professional purposes. Linux has continued to grow in popularity over the years and is now widely used by individuals and businesses alike. This book will serve as a beginner's guide to Linux, and will explain everything you need to know about this exciting operating system!

How the hackers do the hacking? Well, keep reading and you will find out.. Why is it so important for you to learn more about basic hacking techniques? Having an understanding of the techniques used by hackers to not only access your information without permission will allow you to gain insight into how this is possible as well as what you are able to do to protect yourself from the most basic of attacks. Using this knowledge, you are also able to explore further in hacking if you wish to develop your skills and discover additional knowledge into creating your own programs and software. This guide will help you learn: The 3 chief categories for installation of Kali Linux How to Hack a Windows Computer - Step-by-Step Procedure Why you should never underestimate any Black Hat Hackers How to get started in Computer Security The 7 Steps to follow during a Penetration Testing exercise The most common scanning techniques Cybersecurity Career Potentials Step-by-Step Guide to Running and Using Kali Linux Practical Hacking Tools Hacking is not a JOKE. Learn NOW how to protect yourself and your devices in this world internet oriented. Regardless of your age and what your job is, you can quickly learn these practical hacking tools. Scroll to the top and select on the right the BUY NOW with 1-Clickbutton.

Linux Made Easy - a Step by Step Guide Linux: Fundamental Basics for Absolute Beginners is a comprehensive guide book that has been specially designed to teach you all about the Linux operating system. Within the chapters of this book, you will discover a copious amount of in-depth information regarding a variety of different Linux topics. This book was written with the intention of being used by those who have very little to no experience in the Linux environment. Because of this, every chapter, tutorial and step is discussed in meticulous detail to ensure you are able to thoroughly understand what you need to do in order to succeed with Linux. With this guidebook, you will be well on your way to becoming the ultimate master at commanding your system to do whatever you need it to do. This guidebook is absolutely essential to anyone who is seeking to learn how to take full advantage of this completely free operating system that offers thousands of free software titles. Get ahead of the curve, today! What You Will Learn Inside What exactly is Linux. How to choose and install your first Linux distribution. How to fully customize your system. Basic Linux commands. How to configure a firewall. Over 25 tips and tricks to enhance your experience. What all of the terminology means. And much, much more. Get Your Copy Today!

Learn to install and administer Linux on an individual workstation or an entire network with this comprehensive in depth reference. You'll find everything you need to get up and running with any Linux distribution, including the latest version of Red Hat. Updated to cover the new 2.4 kernel and complete with an expanded section on advanced networking, this book shows you how to install and configure Linux, set up Internet services, handle single-host administration, and much more. Plus, you'll get eight pages of blueprints illustrating the differences between Linux and Windows NT/2000. If you are a professional administrator wanting to bring Linux into your network topology, a home user with multiple machines wanting to build a simple home network, or are migrating from Windows, then you need this book.

"Linux internals simplified" is a book which discusses the basics of Linux kernel internals in a code driven approach. It picks the major subsystems of the kernel which are important, and tries to simplify its internal working and data structures. As such, this book is aimed at engineers who wish to start learning about the Linux kernel. This book starts with the basic steps to acquire the Linux kernel code. It then shows ways of customizing the build options and lastly kernel compilation. Next it looks at a number of hacking tools which will help one to debug and trace in a live Linux system. Practical examples of ftrace, kprobes and crash tool are discussed. These tools are useful in trying to understand the way the Linux system works. Chapter 3 discusses the details of a running process in a Linux system. It

touches topics such as address spaces of a running process, user and kernel spaces, system calls, Linux process descriptor, Linux process creation, and so on. This chapter builds a foundation of a program in execution in the Linux system. Once the reader knows about the running processes, chapter 4 discusses about the Linux process scheduling subsystem. This chapter discusses different data structures and code paths of the Linux scheduler, which controls the scheduling of processes in the Linux system. Chapter 5 discusses Interrupts, which play a significant role in the Linux operating system. The chapter discusses edge and level triggered interrupts, interrupt handlers and their registration, shared interrupt handlers, and so on. It also shows the ftrace of the do_irq function. Chapter 6 discusses the signal subsystem. It starts with a little introduction of the design of the signal subsystem. It then traces the code execution of delivering and handling of signals in the Linux kernel. The chapter then discusses signal overloading and how it is performed, while exploring the kernel code which handles this. Chapter 7 covers Linux synchronization primitives, and why they are needed. It shows the detailed implementation of primitives like atomic variables, spinlocks, semaphores and mutexes in the Linux kernel. Chapter 8 discusses various ways of Linux kernel memory allocation. It discusses Buddy allocator, Resource map allocator and Slab allocator. It discusses various APIs used for these allocators (alloc_page/s, kmem_cache_alloc, kmalloc etc.). It also discusses how user space malloc results in memory allocation in the Linux kernel. Chapter 9 discusses the Linux dynamic modules, Linux character driver framework, internal functions which are used while creating a character driver, UDEV events and IOCTL interface. It also discusses Linux device model. It discusses example of bus, device and device_driver components. It illustrates device model when used in PCI BUS. Chapter 10 covers the subsystem related to block IOs. It starts with an introduction of filesystem and its purpose. It then traces the path an IO takes, right from the "write()" system call, to the moment it gets written to the disk. The chapter covers basic data structures and design elements while going down the IO stack.

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!

? Get this book with 55% discount. LAST DAYS! ? Are you fascinated by the idea of Hacking? Wouldn't you learn the secrets of ethical hackers? Wouldn't you learn professional hacking techniques? If your answer is YES, then this is the perfect book for you! Who is a Hacker? A Hacker is a person who finds and exploits the weakness in computer systems and/or networks to gain access and are classified according to the intent of their actions. Hacking is the general term that is used to describe the act of gaining unauthorized access to a computer system, network, or Internet service settings. Put, it is an effort by hackers and their individual to use the Web or Internet network to intrude on your PC or laptop and steal your important information. A computer user is not a hacker if he or she merely guesses a password or finds a user's name and address. Hackers are individuals and users who use their skills to break into systems. In this guidebook, we are going to take a look at some of the ways that we can learn about wireless penetration, and how a hacker is able to get onto your system and take advantage, often without you having any idea. In this book, you will learn about The Basic of Cybersecurity How to Install Kali Linux Wireless Network Hacking and how to Scan Network Kali Tools Basic of VPN, TOR and PROXY CHAINS and How to Use them for Security How to Hack a Wireless Network Practical Hacking Examples Even if you are a complete beginner, this book will act as your guide to enter into the world of ethical hacking and cybersecurity. Why are you waiting still? Go grab this hell of a hacking book now. Scroll up and click BUY NOW button!

Linux For Beginners! Updated April 2016 The Ultimate Beginners Crash Course To Learning & Mastering Linux Are You Ready To Learn How To Use, Master & Configure Linux? If So You've Come To The Right Place - Regardless Of How Little Experience You May Have! There's a ton of other technical guides out there that aren't clear and concise, and in my opinion use far too much jargon. My job is to teach you in simple, easy to follow terms how to get started and excel at Linux! Here's A Preview Of What Linux For Beginners Contains... An Introduction to Linux Installing Linux - Exactly What You Need To Know Server Vs. Desktop Editions - Variations Of Linux Explained Tasks & Commands You Need To Know To Master Linux How To Effortlessly Navigate Through Your Linux Operating System File Editing - How To Use VIM Advanced Navigation & Linux Controls And Much, Much More! Order Your Copy Now And Let's Get Started!

The Linux Mint Beginner's Guide (Second Edition) will show you how to get the most out of Linux Mint, from using the Cinnamon desktop environment to advanced command-line tasks. In the Guide, you will learn how to: -Install Linux Mint. -Use the desktop environment. -Manage files and folders. -Manage users, groups, and file permissions. -Install software on a Linux Mint system, both from the command line and the GUI. -Configure network settings. -Use the vi editor to edit system configuration files. -Install and configure a Samba server for file sharing. -Install SSH for remote system control using public key/private key encryption. -Install a LAMP server. -Install web applications like

WordPress. -Configure an FTP server. -Manage ebooks. -Convert digital media. -And many other topics.

If you want to learn Linux programming, there's not a better book on the market for you. This book is going to assume you know absolutely nothing about Linux, then teach you: The most common and useful Linux command line tools, how to write Bash scripts and automate your command line workflow, how to program in C++ and Python, how to understand and think about high-level programming concepts in order to become a better programmer in the end, The differences between functional and object-oriented programming and how they apply to you. You may be absolutely stumped and not know where to look. However, this book will teach you everything you need to know - and fast! Without mincing words, the book teaches you two programming languages, how to write scripts, and how to navigate the Linux command line very well. So what are you waiting for? Pick up a copy of this book now and get to programming on Linux like a master.

Are you looking for a complete guide that enables you to use Linux and manage shell Linux like a pro? Are you struggling to navigate among all the Linux distributions out there and finding hard to define the best one for your needs? Do you want to evaluate your learning level step by step? If you want to learn how to use Linux step by step, but don't know where to start read on.....you are the right place!!! 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 - The basics, including what an operating system is, what Linux is, how it has evolved over the years, how Linux works, the architecture of Linux, files hierarchy in Linux as well as the system architecture in Linux - How to get access to a Linux server if you don't already. How to install Linux on Virtual Machines on Windows and on MacOS - What a Linux distribution is and which one to choose. - The basic Linux commands you'll use most often. - What software is needed to connect to Linux from Mac and Windows computers? - Using C++ and python. - Shell scripting: The concept of shells in Linux, including what is a shell, how to gain access to the shell, the different types of shell, shell scripting along with basic command line editing - Managing text files - Benefits of using Linux as an operating system Linux is without doubt the most powerful operating system in the world. Yes, you may think Windows and macOS are powerful operating systems owing to the fact that they control much of the PC market but I have some stats that will change your perspective: Even if you've never used Linux before but want to learn it, to add it to your skillset and possibly start using it for networking, programming or even just simple web browsing, you will find this book helpful. Lucky for you, the book takes an easy to follow, beginner friendly approach to introduce you everything, beginner or advanced, to ensure you start applying what you learn right away. What are you waiting for ...be lucky and order your copy now!!!

The Ubuntu Beginner's Guide gives users new to Ubuntu Linux an overview of the operating system, from simple command-line tasks to advanced server configuration. In the Guide, you'll learn how to: -Use the Ubuntu command line.-Manage users, groups, and file permissions.-Install software on a Ubuntu system, both from the command line, the GUI, and using the Snappy application management system.-Configure network settings.-Use the vi editor to edit system configuration files.-Install and configure a Samba server for file sharing.-Install SSH for remote system control using public key/private key encryption.-Install a LAMP server.-Install web applications like WordPress and Drupal.-Configure an FTP server.-Manage ebooks.-Convert digital media.-Manage and configure GNOME Shell, the new default Ubuntu environment.-Manage and configure Unity, the old default Ubuntu environment.-Manage and halt processes from the command line.-Set up both a VNC server and a client-And many other topics

Solving the need for a Linux guide that is both comprehensive and user-friendly, ESSENTIAL LINUX ADMINISTRATION: A COMPREHENSIVE GUIDE FOR BEGINNERS enables the reader to better understand Linux-based networking and server administration. The text covers the entire breadth of Linux administration topics that professionals in the IT industry need to know. As the need to effectively use Linux grows, ESSENTIAL LINUX ADMINISTRATION: A COMPREHENSIVE GUIDE FOR BEGINNERS will continue to be a crucial resource for anyone in the field.

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