# Linux Administration A Beginners Guide Sixth Edition Network Pro Library

Linux Systems Administration The truth is: Linux is a very important force in computing technology. It is the source of power in everything, be it mobile phones or personal computers or be it supercomputers or servers. The purpose of a system administrator is to manage the operations of this computer system As most of the computing devices are powered by Linux, it is very much essential to learn it. If you are one of those interested to learn about Linux system administration, read on to get a comprehensive idea. A file system is the method of storing files on the hard disk. Linux supports various kinds of file systems like the conventional disk file systems, special-purpose file systems and flash storage file systems. The Linux system stores the files according to a standard layout known as the file system hierarchy. Linux is a very simple operating system as it has a cheap hosting space and the database is open-source. Most people prefer the Linux servers for various web application and hosting purposes. As an open operating system, Linux is under constant development. Various organizations and companies are responsible for the development as well as the ongoing

support. System administration has become a very important criterion to be satisfied for an organization in need of a strong IT infrastructure. Thus efficient Linux administrators are required everywhere. DOWNLOAD: Linux System Administration for Beginners, Linux System Administration Guide for Basic Configuration, Network and System Diagnostic Guide to Text Manipulation and Everything on Linux Operating System. You will also learn: - What is Linux administration - Learn the basic configuration, network and system diagnostic - How text manipulation and everything on Linux operating system works - Having knowledge of Linux is essential for system administration - Solid fundamental and knowledge about Linux administration - Well explain and step by step guide to follow to master yourself - Getting information about internet server Would you like to know more? Download the eBook, Linux System Administration for Beginners for getting the perfect help to become a system administrator. Scroll to the top of the page and select the buy now button.

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(r). 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 8 pages of blueprints illustrating the differences between Linux and Windows NT or Windows 2000.

A 100% practical approach to quickly acquire the basics of Linux administration,ideal for beginners wishing to be quickly operational in Linux administration, this survival guide is the essential companion to never feel lost in a Linux world. This book is intended for students, academics and engineers and more generally to anyone wishing to acquire a good knowledge of Linux system. The main controls and lines of code used every day to carry out the simplest to the most complex tasks are addressed. If you are just getting started with Linux and looking to polish and improve your skills, this book will provide you with everything you need. It is a completed work enough for a self-study and a sum of organized notes which won't make you an undisputed master of GNU / Linux, but will guide you through your first steps in Linux so you know how to install, add new software, and use it daily. In addition, this training provides a good introduction to a more advanced understanding of the operating system and will give you the keys to go further.Our goal is to eradicate the fear that people tend to have as soon as they hear about the Linux operating system because it guarantees a certain level of fluidity once compared to Windows for

example.Distinguish yourself from others with an OS other than Windows on your laptop and not just any Other OS but Linux! By reading Linux for Beginners, you will discover:* Linux installation* Reading and Navigation Commands* Manipulation and Searching Commands* Shell expansion* Commands and arguments* Control operators* Shell variables* Shell embedding and options* File globbing

An explanation of the basic principles of data This book explains the basic principles of data as buildingblocks of electronic evidential matter, which are used in a cyberforensics investigations. The entire text is written with noreference to a particular operation system or environment, thus itis applicable to all work environments, cyber investigationscenarios, and technologies. The text is written in astep-by-step manner, beginning with the elementary buildingblocks of data progressing upwards to the representation andstorage of information. It inlcudes practical examples andillustrations throughout to guide the reader.

Readers of all levels stand to benefit from this book's coverage of SUSE's ability to play MP3s and DVDs, burn CDs, perform office tasks and data backups, and offer a secure operating system environment. Whether it is a reader evaluating SUSE for deployment in a corporate environment, or a student interested in foregoing expensive licensing arrangements, this book serves as an invaluable

guide to the Linux platform. Having solidified its position as Europe's most popular variant SUSE Linux continues to grow in popularity within the U.S. market. SUSE is an increasingly viable alternative to the Windows platform on both the desktop and server level.

If you are interested in learning more about Linux, then keep reading... Linux is a technical topic, and is especially difficult to grasp for a beginner. Learning a new operating system, command lines, and a new environment to work on and deal with every day can be frustrating. But, it's possible to simplify this process with a step-by-step approach. Here you are going to learn: The basics of LinuxHow to install itBasic command lines you'll use oftenExercises to get started and improve your knowledge FAQ Can I start programming after reading this book? Yes. This book includes basics command lines to start programming even as a beginner. Are there many technical concepts to learn about? This book includes all the basics about Linux in a simplified and easy-to-understand manner. Does this book have a focus on practical application? Yes, the book includes many exercises to practice and improve your skills in Linux programming. SCROLL UP AND CLICK ON THE "BUY NOW" BUTTON

Administer Any Linux Distribution with Ease Fully updated for the most current Linux distributions, Linux Administration: A Beginner's Guide, Fifth Edition, shows

you how to set up, maintain, and troubleshoot Linux on a single server or an entire network. Get full details on granting user rights and permissions, configuring software and hardware, providing Internet and intranet services, and customizing Linux kernel 2.6. You'll also learn how to get your network services IPv6 ready, implement sound security, create foolproof system backups, and use the latest virtualization technologies. Real-world, hands-on examples are included throughout. Install and configure popular Linux distributions, including Fedora 9, Red Hat Enterprise Linux, OpenSuSE, and Ubuntu Manage users, permissions, files, folders, and applications Administer Linux servers from the GUI or from the command line (shell) Understand and manage file systems in Linux Compile, tune, and customize Linux kernel 2.6 Build robust firewalls and routers using netfilter and Linux Manage the Linux TCP/IP networking stack and services for both IPv4 and IPv6 Build and deploy Web, e-mail, and FTP servers Use NIS, NFS, LDAP, and Samba for resource sharing and identity management Set up and administer print, DNS, POP3, IMAP3, and DHCP servers Implement Linux virtualization technologies, including the native KVM platform

Essential skills for first-time programmers! This easy-to-use book explains the fundamentals of UML. You'll learn to read, draw, and use this visual modeling language to create clear and effective blueprints for software development projects. The modular approach of this

series--including drills, sample projects, and mastery checks--makes it easy to learn to use this powerful programming language at your own pace.

Ideal for Windows or Linux administrators looking to learn Solaris, this easy-to-use introductory guide covers the basics of Solaris 9 single host administration and explains how to manage Internet and intranet services.

Have you ever wanted to become a Linux System Administrator? Or did you want to learn more about the operating system? If you answered yes to these questions, you have come to the right place. The motive of this book is to get you well versed with the Linux operating system and the profile known to the world as Linux System Administration. A Linux system admin is basically a superhero who owns the servers of an organization and makes sure that they never go down. Servers in an organization contain user data, which is the most important thing in the modern world. Loss of data can result in huge losses for an organization and even lawsuits. Over the course of the book, you will gather information about the following: This book will prepare you with the knowledge that is essential to enter the field of Linux system administration. You will learn about the operating system called Red Hat Enterprise Linux 7 and how to install it. After installing you will learn about the tasks that are essential for a system in their day-to-day life. You will learn about the command line in Linux, which is used extensively by system admins to perform tasks using important commands. You will further get to know about the Linux File System hierarchy and how to navigate your way through files and directories in the Linux operating system. You will also understand how processes work in the Linux system and how you can use commands and signals to manage system processes as well as processes started manually. You will learn about SSH, which is one of the most used

tools in Linux systems to create secure connections between two Linux systems on a private network or over the Internet. You will study how to analyze logs in the Linux system and how to read them to understand errors and how to fix those errors. And much more ! All in all, the book is aimed at preparing you to enter the world of Linux system administration such that you can pursue a career in an organization, which demand this role on a very large scale.

A guide for Linux system administrators who want quick, step-by-step answers to common problems and typical tasks--provides all the expected screen output when configuring the most commonly used Linux back office applications to assure the reader that they are doing the right thing, and includes many commonly encountered errors with explanations of their causes as well as how to fix them. Original. (Intermediate).

An introductory resource offers coverage of TCP/IP, firewalls, encryption methods, disaster recovery, Linux, Windows 2000 and .NET Server, connections, protocols, troubleshooting, and network configuration and administration.

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simple operating system as it has a cheap hosting space and the database is open-source. Most people prefer the Linux servers for various web application and hosting purposes. As an open operating system, Linux is under constant development. Various organizations and companies are responsible for the development as well as the ongoing support. System administration has become a very important criterion to be satisfied for an organization in need of a strong IT infrastructure. Thus efficient Linux administrators are required everywhere. DOWNLOAD: Linux System Administration for Beginners, Linux System Administration Guide for Basic Configuration, Network and System Diagnostic Guide to Text Manipulation and Everything on Linux Operating System. Linux system administration is a very much in-demand IT skill. Thus it is very much essential to learn the skills. A system administrator must be efficient enough to manage various kinds of internet applications inclusive to DNS, Apache, RADIUS, MySQL, PHP etc. He should also be able to provide training and support to other server administrators of the organization. Reviewing all the error logs and fixing them are some other duties other than providing world-class customer support. The goal of the eBook is simple: It is a comprehensive guide for the beginners to learn everything about Linux system administration. You will also learn: What is Linux administration Learn the basic configuration, network and system diagnostic How text manipulation and everything on Linux operating system works Having knowledge of Linux is essential for system administration Solid fundamental and knowledge about Linux administration Well explain and step by step guide to follow to master yourself Getting information about internet server Would you like to know more?

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.

The best fully integrated study system available (Exams EX200 and EX300) With hundreds of review questions and complete coverage of performance-based requirements, RHCSA/RHCE Red Hat Linux Certification Study Guide, Sixth Edition covers what you need to know--and shows you how to prepare--for these challenging exams. 100% complete coverage of all official objectives for Exams EX200 and EX300 Exam Readiness Checklist--you're ready for the exam when all objectives on the list are checked off Inside the Exam sections in every chapter highlight key exam topics covered Two-Minute Drills for quick review 100+ lab questions--two full lab-based RHCSA exams and two full lab-based RHCE exams--match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Virtual Machines and Automated Installations * Fundamental Command Line Skills * RHCSA-Level Security

Options * The Boot Process * Linux Filesystem Administration * Package Management * User Administration * RHCSA-Level System Administration * RHCE Security * System Services and SELinux * RHCE Administration * Mail Servers * Samba * File Sharing * DNS, FTP, and Logging CD-ROM includes: Complete lab-based exam preparation, featuring: Two full RHCSA practice exams Two full RHCE practice exams Lab-based chapter self tests In-depth answer explanations for all labs RHCSA and RHCE Glossary PDF copy of the book for studying on the go Michael Jang, RHCE, LPIC-2, UCP, LCP, MCP, is the author of three previous bestselling editions of RHCE Red Hat Certified Engineer Linux Study Guide and several other books on Linux and professional certification.

Linux 2018 Simple Beginner's Guide. Learn The Linux Operating System and Command Line by Yourself Have you Installed Linux operating system in your hardware? If not, this is the time. The operating system enables you to manage all of the hardware resources related to your desktop or laptop. There are several pieces to an operating system, each with its own set of functions to help your computer perform the tasks that you assign to it. Within this book, you will find information on the following: Understanding Linux Virtual Machines Installation Linux Features Linux Command Line Troubleshooting issues Creation and

Deletion commands System-related commands Creation and Deletion commands Searching and retrieving commands This book will explain to you the basics required while installing Linux and how you can set it up. If you have not yet used Linux as your operating system and its time you want to try out, you are good to go because this book has every single step required from downloading, installation, setting up, Linux features and even how you can troubleshoot some of the problems. The guides provided won't let you down. Most of them are rather easy to understand, a few will need technical practical. However, irrespective of your capability to use a Linux, this book will tell you all that you need to understand, and how you can get to the bottom of Linux usage. Having the Linux, you are in a position to swiftly and without disappointments get the most that you will want while operating your system. Feel free to install Linux in your hardware, and use this to improve your ability to make it the best application to have in your hardware. Download your copy of " Linux " by scrolling up and clicking "Buy Now With 1-Click" button. Tags: Linux, Linux penguin, Linux system, Linux programming, Linux commands, Linux guide, Linux device, Linux server, Linux operating system, user manual, user guide, Linux benefits, Linux commands, Linux essentials, Linux computer, Linux software, redhat Linux administration, Linux hat, Linux for kids, learn Linux, Linux development, Linux study guide,

using Linux, Linux program, learning Linux, Linux programming book, tips and tricks, troubleshooting Issues, beginners guide, main functions, how to Linux, Linux Command Line main functions, ULTIMATE Guide for Beginners, ULTIMATE Guide, Beginners Guide, Linux 7, kali linux, ubuntu linux, embedded linux, linux operating system, linux administration, linux bible . ?????Cisco?????????,??????:Cisco???????????????????Internet?????? Malware Forensics Field Guide for Linux Systems is a handy reference that shows students the essential tools needed to do computer forensics analysis at the crime scene. It is part of Syngress Digital Forensics Field Guides, a series of companions for any digital and computer forensic student, investigator or analyst. Each Guide is a toolkit, with checklists for specific tasks, case studies of difficult situations, and expert analyst tips that will aid in recovering data from digital media that will be used in criminal prosecution. This book collects data from all methods of electronic data storage and transfer devices, including computers, laptops, PDAs and the images, spreadsheets and other types of files stored on these devices. It is specific for Linux-based systems, where new malware is developed every day. The authors are world-renowned leaders in investigating and analyzing malicious code. Chapters cover malware incident response - volatile data collection and examination on a live Linux system; analysis of

physical and process memory dumps for malware artifacts; post-mortem forensics - discovering and extracting malware and associated artifacts from Linux systems; legal considerations; file identification and profiling initial analysis of a suspect file on a Linux system; and analysis of a suspect program. This book will appeal to computer forensic investigators, analysts, and specialists. A compendium of on-the-job tasks and checklists Specific for Linux-based systems in which new malware is developed every day Authors are world-renowned leaders in investigating and analyzing malicious code

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.
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by the publisher for quality, authenticity, or access to any online entitlements included with the product. Gain Essential Linux Administration Skills Easily Effectively set up and manage popular Linux distributions on individual servers and build entire network infrastructures using this practical resource. Fully updated to cover the latest tools and techniques, Linux Administration: A Beginner's Guide, Eighth Edition features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the command line or GUI, maintain Internet and network services, and secure your data. Performance tuning, virtualization, containers, software management, security, and backup solutions are covered in detail. Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHEL. Set up and administer core system services, daemons, users, and groups. Manage software applications from source code or binary packages. Customize, build, or patch the Linux kernel. Understand and manage the Linux network stack and networking protocols, including TCP/IP, ARP, IPv4, and IPv6. Minimize security threats and build reliable firewalls and routers with Netfilter (iptables and nftables) and Linux. Create and maintain DNS, FTP, web, e-mail, print, LDAP, VoIP, and SSH servers and services. Share resources using GlusterFS, NFS, and Samba. Spin-up and

manage Linux-based servers in popular cloud environments, such as OpenStack, AWS, Azure, Linode, and GCE. Explore virtualization and container technologies using KVM, Docker, Kubernetes, and Open Container Initiative (OCI) tooling. Download specially curated Virtual Machine image and containers that replicate various exercises, software, servers, commands, and concepts covered in the book. Wale Soyinka is a father, system administrator, a DevOps/SecOps aficionado, an open source evangelist, a hacker, and a well-respected world-renowned chef (in his mind). He is the author of Advanced Linux Administration as well as other Linux, Network, and Windows administration training materials. Essential Linux Management Skills Made Easy Effectively deploy and maintain Linux and other Free and Open Source Software (FOSS) on your servers or entire network using this practical resource. Linux Administration: A Beginner's Guide, Sixth Edition provides up-to-date details on the latest Linux distributions, including Fedora, Red Hat Enterprise Linux, CentOS, Debian, and Ubuntu. Learn how to install and customize Linux, work from the GUI or command line, configure Internet and intranet services, interoperate with Windows systems, and create reliable backups. Performance tuning, security, and virtualization are also covered and real-world examples help you put the techniques presented into practice. Install and configure popular Linux distributions, including the latest

versions of Fedora, CentOS, openSUSE, Debian, and Ubuntu Administer Linux servers from the GUI or from the command line (shell) Manage users, permissions, folders, and native FOSS applications Compile, tune, upgrade, and customize the latest Linux kernel 3.x series Work with proc, SysFS, and cgroup file systems Understand and manage the Linux TCP/IP networking stack and services for both IPv4 and IPv6 Build robust firewalls, and routers using Netfilter and Linux Create and maintain print, e-mail, FTP, and web servers Use LDAP or NIS for identity management Set up and administer DNS, POP3, IMAP3, and DHCP servers Use GlusterFS, NFS, and Samba for sharing and distributing file system resources Explore and implement Linux virtualization technologies using KVM

Perfect for systems and network administrators migrating from Windows NT to Linux, or experimenting with bringing Linux into their network topology. Even novice users will find plenty of helpful information on administering the open source operating system—including installation, initial configuration, using the bash command shell, managing files, managing software, and granting rights to users.

With coverage of the most recent Linux kernel and multiple Linux platforms including Red Hat Linux Fedora 4, SuSe Linux, Red Hat Enterprise Linux, and

others, this updated instructional system is designed to show even the most novice user the keys to successful administration. Readers will learn to install and configure Linux, manage files and software, grant user rights, implement security at the kernel level, and more.

A guide to Linux networking covers such topics as TCP/IP, Apache, Samba, connecting with a serial line, running inetd superservers, logging in remotely, and setting up a nameserver.

Now with a virtual machine showcasing the book's test system configuration, Linux Administration: A Beginner's Guide, Seventh Edition teaches system administrators how to set-up and configure Linux quickly and easily. Effectively set up and manage any version of Linux on individual servers or entire networks using this practical resource. Fully updated to cover the latest tools and techniques, Linux Administration: A Beginner's Guide, Seventh Edition features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the GUI or command line, maintain Internet and network services, and secure your data. Performance tuning, virtualization, containers, software management, and backup solutions are covered in detail. • Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHEL •

Manage users, permissions, files, folders, and applications • Set up and administer system services and daemons • Manage software from source code or binary packages • Customize, build, or patch the Linux kernel • Work with physical and virtual file systems, such as proc, SysFS, and cgroup • Understand networking protocols, including TCP/IP, ARP, IPv4, and IPv6 • Build reliable firewalls and routers with Netfilter (iptables and nftables) and Linux • Monitor and test network activity and minimize security threats • Create and maintain DNS, FTP, web, e-mail, print, LDAP, and VoIP servers • Share resources using GlusterFS, NFS, and Samba • Implement popular cloud-based technologies using Linux virtualization and containers using KVM and Docker

This volume is a practical guide to Linux for systems and network administrators who are moving from Windows NT to Linux or are experimenting with bringing Linux into their network topology.

You need to maintain clients, servers and networks, while acquiring new skills. Foundations of Cent OS Linux: Enterprise Linux On the Cheap covers a free, unencumbered Linux operating system within the Red Hat lineage, but it does not assume you have a Red Hat Enterprise Linux license. Now you can learn CentOS Linux, the most powerful and popular of all Red Hat clones, keep maintaining your network at work, and become an Red Hat Certified Engineer, all

just for the cost of this book. Introduces CentOS Linux and Fedora clients as equals to Red Hat Enterprise Linux Sets up CentOS as a secure, high–performance web services back end Prepares you for the RHCE examination, but does not assume an RHEL installation
A complete guide to installing, administering and troubleshooting Red Hat Linux on Netfinity servers and the Intel Pentium family of processors.
Linux Sale price. You will save 66% with this offer. Please hurry up! Simple Step-By-Step Guide for Beginners: Learning the Linux Operating System and Command Line You probably didn't know that Linux was all around you. It exists in your cars, phones and even smart home devices. Linux was brought into existence in the mid 90s and has skyrocketed since its inception. This book will not only provide you with information and a history of Linux, it will also provide you with details on its makeup and how to get started using it. Within this book, you will find information on the following: Getting started with using Linux Understanding the basics of Linux How to complete Installation of the Linux Operating system Using the Command Line Administration & Security basics Introduction to scripting Download your copy of " Linux " by scrolling up and clicking "Buy Now With 1-Click" button. Tags: Linux, Linux penguin, Linux system, Linux programming, Linux commands, Linux guide, Linux device, Linux server, Linux operating system, user manual, user guide, Linux benefits, Linux commands, Linux essentials, Linux computer, Linux software, redhat Linux administration, Linux hat,

Linux for kids, learn Linux, Linux development, Linux study guide, using Linux, Linux program, learning Linux, Linux programming book, tips and tricks, troubleshooting Issues, beginners guide, main functions, how to Linux, Linux Command Line main functions, ULTIMATE Guide for Beginners, ULTIMATE Guide, Beginners Guide. This book addresses the web services arena with a specific agenda of providing information right from covering the fundamental aspects to its deployment and implementation issues. The content is introductory in nature, and covers not only the technology aspects, but also highlights the application scenarios across the industry. In order to illustrate the potential of web services, a case study exemplifying the Financial and Banking Services industry has been chosen for presentation the book. ???????????????2001? Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Gain Essential Linux Administration Skills Easily Effectively set up and manage popular Linux distributions on individual servers and build entire network infrastructures using this practical resource. Fully updated to cover the latest tools and techniques, Linux Administration: A Beginner's Guide, Eighth Edition features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the command line or GUI, maintain Internet and network services, and secure your data. Performance tuning, virtualization,

containers, software management, security, and backup solutions are covered in detail. Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHEL. Set up and administer core system services, daemons, users, and groups. Manage software applications from source code or binary packages. Customize, build, or patch the Linux kernel. Understand and manage the Linux network stack and networking protocols, including TCP/IP, ARP, IPv4, and IPv6. Minimize security threats and build reliable firewalls and routers with Netfilter (iptables and nftables) and Linux. Create and maintain DNS, FTP, web, e-mail, print, LDAP, VoIP, and SSH servers and services. Share resources using GlusterFS, NFS, and Samba. Spin-up and manage Linux-based servers in popular cloud environments, such as OpenStack, AWS, Azure, Linode, and GCE. Explore virtualization and container technologies using KVM, Docker, Kubernetes, and Open Container Initiative (OCI) tooling. Download specially curated Virtual Machine image and containers that replicate various exercises, software, servers, commands, and concepts covered in the book. Wale Soyinka is a father, system administrator, a DevOps/SecOps aficionado, an open source evangelist, a hacker, and a well-respected world-renowned chef (in his mind). He is the author of Advanced Linux Administration as well as other Linux, Network, and Windows administration training materials.