



# Linux Administration: A Beginner's Guide, Fifth Edition

By Wale Soyinka

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**Linux Administration: A Beginner's Guide, Fifth Edition** By Wale Soyinka

## 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

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### Editorial Review

#### Amazon.com Review

Administering a Linux system isn't much like administering a Windows machine. Though the goals are similar and comparable problems arise under both environments, they each require administrators to adopt a certain way of thinking about processes and data. *Linux Administration: A Beginner's Guide* helps readers adapt their Windows experience to Linux work. Author Steve Shah does a great job of clueing Linux newcomers into the environment. His explanations are clear, patient, accurate, and useful, and they cover all aspects of the system administrator's job. He's careful to explain hundreds of commands in a logical way, including lists of options and examples of typical uses in many cases.

But this is no mere command reference or novice's introduction. Shah doesn't shy away from explaining the really interesting aspects of Linux administration, including kernel compilation, Domain Name Service (DNS) configuration, sendmail setup, and establishing firewall protection with IP chaining. For all of these subjects (and many more), this book includes clear statements of what concepts are relevant, which commands to issue, and what to expect in response. It's a great help in self-guided explorations. It's also worth having this book on hand for work assignments--you'll find complete recipes for configuring all major Internet and local area network (LAN) services that also take into account easy maintenance and security. --  
*David Wall*

**Topics covered:** Administering Linux 2.2.x (particularly Red Hat, Caldera, and SuSE distributions). Installation, initial configuration, using the bash command shell, managing files, managing software, and granting rights to users. DNS, FTP, Apache, sendmail, Samba, and other services receive lots of attention.

#### Review

"A delight to read. I think this book is well-written enough in explaining what is behind much of Linux." --  
*Harvey Friedman, Linux Journal*

#### From the Back Cover

Implement Linux across your network with this practical, hands-on guide.

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. 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, you need this book.

- Install Linux in a server configuration
- Configure GNOME, KDE, X-Windows, and more
- Understand single-host administration and manage users
- Learn to use file systems, create partitions, and configure quota settings
- Compile the Linux kernel and unpack source code
- Set up Internet services and learn the mechanics of FTP

- Provide intranet services including NFS, NIS, SAMBA, DHCP, and LPD
- Get details on advanced networking with Linux--TCP/IP, packet filtering, cookbook firewalls, IP port forwarding, and much more

## **Users Review**

### **From reader reviews:**

#### **Stephanie Wilkes:**

Reading a guide tends to be new life style in this era globalization. With reading you can get a lot of information that can give you benefit in your life. Having book everyone in this world may share their idea. Publications can also inspire a lot of people. Plenty of author can inspire all their reader with their story as well as their experience. Not only situation that share in the ebooks. But also they write about the data about something that you need example of this. How to get the good score toefl, or how to teach children, there are many kinds of book which exist now. The authors nowadays always try to improve their skill in writing, they also doing some analysis before they write to the book. One of them is this Linux Administration: A Beginner's Guide, Fifth Edition.

#### **Jerry Goble:**

The guide with title Linux Administration: A Beginner's Guide, Fifth Edition possesses a lot of information that you can understand it. You can get a lot of help after read this book. This kind of book exist new expertise the information that exist in this reserve represented the condition of the world at this point. That is important to yo7u to find out how the improvement of the world. That book will bring you within new era of the globalization. You can read the e-book on your own smart phone, so you can read that anywhere you want.

#### **Gary Wells:**

Is it an individual who having spare time in that case spend it whole day by simply watching television programs or just resting on the bed? Do you need something totally new? This Linux Administration: A Beginner's Guide, Fifth Edition can be the solution, oh how comes? A book you know. You are so out of date, spending your spare time by reading in this new era is common not a geek activity. So what these books have than the others?

#### **Regina Dye:**

Reserve is one of source of knowledge. We can add our expertise from it. Not only for students but native or citizen require book to know the upgrade information of year to year. As we know those books have many advantages. Beside all of us add our knowledge, can also bring us to around the world. Through the book Linux Administration: A Beginner's Guide, Fifth Edition we can consider more advantage. Don't that you be creative people? To be creative person must choose to read a book. Only choose the best book that suited with your aim. Don't always be doubt to change your life at this time book Linux Administration: A Beginner's Guide, Fifth Edition. You can more inviting than now.

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