



# A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)

By Mark G. Sobell

Download now

Read Online ➔

**A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)** By Mark G. Sobell

“I have found this book to be a very useful classroom text, as well as a great Linux resource. It teaches Linux using a ground-up approach that gives students the chance to progress with their skills and grow into the Linux world. I have often pointed to this book when asked to recommend a solid Linux reference.”

— *Eric Hartwell, Chair, School of Information Technology, ITT Technical Institute*

## Master All the Techniques You Need to Succeed with Fedora™ or Red Hat® Enterprise Linux®

- The #1 Fedora and RHEL resource—a tutorial AND on-the-job reference
- Master Linux administration and security using the command line, GUI tools, Python, systemd, and **firewalld**
- Set up key Internet servers, step by step, including Samba, Apache, MariaDB/MySQL, **sendmail**, OpenSSH, DNS, LDAP, and more
- Brand-new chapter on Virtual Machines and Cloud Computing!

In this comprehensive guide, one of the world’s leading Linux experts brings together all the knowledge and real-world insights you need to master and succeed with today’s versions of Fedora or Red Hat Enterprise Linux. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you’ll actually need as a user, programmer, or administrator.

Sobell assumes no prior Linux knowledge. He starts at the beginning and walks you through every topic and task that matters, using easy-to-understand examples. Step by step, you’ll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interface, provide file/printer sharing, configure network servers, secure Linux desktops and networks, work with the command line, administer Linux efficiently, and automate administration using Python and **bash**.

Mark Sobell has taught hundreds of thousands of Linux and UNIX professionals.

He knows every Linux nook and cranny—and he never forgets what it’s like to be new to Linux. Whatever you want to do with Linux—now or in the future—you’ll find it in this book.

Compared with other Linux books, *A Practical Guide to Fedora™ and Red Hat® Enterprise Linux ®, Seventh Edition*, delivers

- Complete, up-to-the-minute coverage of Fedora 19 and RHEL 7 (beta)
- New programming chapters that cover Python and MariaDB/MySQL, plus a new tutorial on using GnuPG to encrypt communications
- Information on state-of-the-art security: SELinux, ACLs, **firewalld** (**firewall-config** and **firewall-cmd**), **iptables** (**system-config-firewall**), GnuPG, and OpenSSH
- New chapter on VMs (virtual machines) and cloud computing, including VMware, QEMU/KVM, **virt-manager**, **virsh**, GNOME Boxes, and AWS (Amazon Web Services)
- Expanded command-line coverage, including a new chapter that details 32 important utilities
- Practical information on Internet server configuration, including Apache, **sendmail**, NFSv4, DNS/BIND, the new LDAP Dynamic Server, and IPv6
- Complete “meat-and-potatoes” information on system/network administration, now including GRUB 2, the XFS filesystem, the new Anaconda Installer, the **systemd** init daemon, **firewalld**, and NetworkManager
- Detailed instructions on keeping Linux systems up to date, finding software packages, and working with repositories using **yum** and **rpm**
- Full coverage of the LPI Linux Essentials exam objectives plus extensive coverage of the CompTIA Linux+ exam objectives; Appendix E provides a map from objectives to pages in the book
- New coverage of **find**, **sort**, **xz** (compression), **free**, **xargs**, and the **nano** editor
- And much more, including a 500+ term glossary and comprehensive indexes

**Includes DVD!** Get the full version of the Fedora 19 release!

 [Download A Practical Guide to Fedora and Red Hat Enterprise ...pdf](#)

 [Read Online A Practical Guide to Fedora and Red Hat Enterpri ...pdf](#)

# A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)

By Mark G. Sobell

**A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)** By Mark G. Sobell

“I have found this book to be a very useful classroom text, as well as a great Linux resource. It teaches Linux using a ground-up approach that gives students the chance to progress with their skills and grow into the Linux world. I have often pointed to this book when asked to recommend a solid Linux reference.”

— *Eric Hartwell, Chair, School of Information Technology, ITT Technical Institute*

## Master All the Techniques You Need to Succeed with Fedora™ or Red Hat® Enterprise Linux®

- The #1 Fedora and RHEL resource—a tutorial AND on-the-job reference
- Master Linux administration and security using the command line, GUI tools, Python, systemd, and **firewalld**
- Set up key Internet servers, step by step, including Samba, Apache, MariaDB/MySQL, **sendmail**, OpenSSH, DNS, LDAP, and more
- Brand-new chapter on Virtual Machines and Cloud Computing!

In this comprehensive guide, one of the world’s leading Linux experts brings together all the knowledge and real-world insights you need to master and succeed with today’s versions of Fedora or Red Hat Enterprise Linux. Best-selling author Mark Sobell explains Linux clearly and effectively, focusing on skills you’ll actually need as a user, programmer, or administrator.

Sobell assumes no prior Linux knowledge. He starts at the beginning and walks you through every topic and task that matters, using easy-to-understand examples. Step by step, you’ll learn how to install and configure Linux from the accompanying DVD, navigate its graphical user interface, provide file/printer sharing, configure network servers, secure Linux desktops and networks, work with the command line, administer Linux efficiently, and automate administration using Python and **bash**.

Mark Sobell has taught hundreds of thousands of Linux and UNIX professionals. He knows every Linux nook and cranny—and he never forgets what it’s like to be new to Linux. Whatever you want to do with Linux—now or in the future—you’ll find it in this book.

Compared with other Linux books, ***A Practical Guide to Fedora™ and Red Hat® Enterprise Linux®, Seventh Edition, delivers***

- Complete, up-to-the-minute coverage of Fedora 19 and RHEL 7 (beta)
- New programming chapters that cover Python and MariaDB/MySQL, plus a new tutorial on using GnuPG to encrypt communications
- Information on state-of-the-art security: SELinux, ACLs, **firewalld** (**firewall-config** and **firewall-cmd**), **iptables** (**system-config-firewall**), GnuPG, and OpenSSH
- New chapter on VMs (virtual machines) and cloud computing, including VMware, QEMU/KVM, **virt-manager**, **virsh**, GNOME Boxes, and AWS (Amazon Web Services)
- Expanded command-line coverage, including a new chapter that details 32 important utilities

- Practical information on Internet server configuration, including Apache, **sendmail**, NFSv4, DNS/BIND, the new LDAP Dynamic Server, and IPv6
- Complete “meat-and-potatoes” information on system/network administration, now including GRUB 2, the XFS filesystem, the new Anaconda Installer, the **systemd** init daemon, **firewalld**, and NetworkManager
- Detailed instructions on keeping Linux systems up to date, finding software packages, and working with repositories using **yum** and **rpm**
- Full coverage of the LPI Linux Essentials exam objectives plus extensive coverage of the CompTIA Linux+ exam objectives; Appendix E provides a map from objectives to pages in the book
- New coverage of **find**, **sort**, **xz** (compression), **free**, **xargs**, and the **nano** editor
- And much more, including a 500+ term glossary and comprehensive indexes

**Includes DVD!** Get the full version of the Fedora 19 release!

### **A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell** **Bibliography**

- Sales Rank: #288159 in Books
- Published on: 2014-01-10
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x 1.90" w x 7.40" l, 4.01 pounds
- Binding: Paperback
- 1300 pages

 [Download A Practical Guide to Fedora and Red Hat Enterprise ...pdf](#)

 [Read Online A Practical Guide to Fedora and Red Hat Enterpri ...pdf](#)

## **Editorial Review**

### Review

#### **Praise for Previous Editions of *A Practical Guide to Fedora™ and Red Hat® Enterprise Linux®***

“Since I’m in an educational environment, I found the content of Sobell’s book to be right on target and very helpful for anyone managing Linux in the enterprise. His style of writing is very clear. He builds up to the chapter exercises, which I find to be relevant to real-world scenarios a user or admin would encounter. An IT/IS student would find this book a valuable complement to their education. The vast amount of information is extremely well balanced and Sobell manages to present the content without complicated asides and meandering prose. This is a ‘must have’ for anyone managing Linux systems in a networked environment or anyone running a Linux server. I would also highly recommend it to an experienced computer user who is moving to the Linux platform.”

–Mary Norbury, IT Director, Barbara Davis Center, University of Colorado at Denver, from a review posted on slashdot.org

“I had the chance to use your UNIX books when I when was in college years ago at Cal Poly, San Luis Obispo, CA. I have to say that your books are among the best! They’re quality books that teach the theoretical aspects and applications of the operating system.”

–Benton Chan, IS Engineer

“The book has more than lived up to my expectations from the many reviews I read, even though it targets FC2. I have found something very rare with your book: It doesn’t read like the standard technical text, it reads more like a story. It’s a pleasure to read and hard to put down. Did I say that?! :-)”

–David Hopkins, Business Process Architect

“Thanks for your work and for the book you wrote. There are really few books that can help people to become more efficient administrators of different workstations. We hope (in Russia) that you will continue bringing us a new level of understanding of Linux/UNIX systems.”

–Anton Petukhov

“Mark Sobell has written a book as approachable as it is authoritative.”

–Jeffrey Bianchine, Advocate, Author, Journalist

“Excellent reference book, well suited for the sysadmin of a Linux cluster, or the owner of a PC contemplating installing a recent stable Linux. Don’t be put off by the daunting heft of the book. Sobell has striven to be as inclusive as possible, in trying to anticipate your system administration needs.”

–Wes Boudville, Inventor

“*A Practical Guide to Red Hat® Linux®* is a brilliant book. Thank you, Mark Sobell.”

–C. Pozrikidis, University of California at San Diego

“This book presents the best overview of the Linux operating system that I have found. . . . [It] should be very helpful and understandable no matter what the reader’s background: traditional UNIX user, new Linux devotee, or even Windows user. Each topic is presented in a clear, complete fashion and very few

assumptions are made about what the reader knows. . . . The book is extremely useful as a reference, as it contains a 70-page glossary of terms and is very well indexed. It is organized in such a way that the reader can focus on simple tasks without having to wade through more advanced topics until they are ready.”

–Cam Marshall, Marshall Information Service LLC, Member of Front Range UNIX Users Group [FRUUG], Boulder, Colorado

“Conclusively, this is THE book to get if you are a new Linux user and you just got into RH/Fedora world. There’s no other book that discusses so many different topics and in such depth.”

–Eugenia Loli-Queru, Editor in Chief, OSNews.com

#### Praise for Other Books by Mark G. Sobell

“This book is a very useful tool for anyone who wants to ‘look under the hood’ so to speak, and really start putting the power of Linux to work. What I find particularly frustrating about man pages is that they never include examples. Sobell, on the other hand, outlines very clearly what the command does and then gives several common, easy-to-understand examples that make it a breeze to start shell programming on one’s own. As with Sobell’s other works, this is simple, straightforward, and easy to read. It’s a great book and will stay on the shelf at easy arm’s reach for a long time.”

–Ray Bartlett, Travel Writer

“Overall I found this book to be quite excellent, and it has earned a spot on the very front of my bookshelf. It covers the real ‘guts’ of Linux—the command line and its utilities—and does so very well. Its strongest points are the outstanding use of examples, and the Command Reference section. Highly recommended for Linux users of all skill levels. Well done to Mark Sobell and Prentice Hall for this outstanding book!”

–Dan Clough, Electronics Engineer and Slackware Linux User

“Totally unlike most Linux books, this book avoids discussing everything via GUI and jumps right into making the power of the command line your friend.”

–Bjorn Tipling, Software Engineer, ask.com

“This book is the best distro-agnostic, foundational Linux reference I’ve ever seen, out of dozens of Linux-related books I’ve read. Finding this book was a real stroke of luck. If you want to really understand how to get things done at the command line, where the power and flexibility of free UNIX-like OSes really live, this book is among the best tools you’ll find toward that end.”

–Chad Perrin, Writer, TechRepublic

“I currently own one of your books, *A Practical Guide to Linux*®. I believe this book is one of the most comprehensive and, as the title says, practical guides to Linux I have ever read. I consider myself a novice and I come back to this book over and over again.”

–Albert J. Nguyen

“Thank you for writing a book to help me get away from Windows XP and to never touch Windows Vista. The book is great; I am learning a lot of new concepts and commands. Linux is definitely getting easier to use.”

–James Moritz

“I am so impressed by how Mark Sobell can approach a complex topic in such an understandable manner. His command examples are especially useful in providing a novice (or even an advanced) administrator with a cookbook on how to accomplish real-world tasks on Linux. He is truly an inspired technical writer!”

–George Vish II, Senior Education Consultant, Hewlett-Packard Company

“Overall, I think it’s a great, comprehensive Ubuntu book that’ll be a valuable resource for people of all technical levels.”

–John Dong, Ubuntu Forum Council Member, Backports Team Leader

“The JumpStart sections really offer a quick way to get things up and running, allowing you to dig into the details of the book later.”

–Scott Mann, Aztek Networks

“I would so love to be able to use this book to teach a class about not just Ubuntu or Linux but about computers in general. It is thorough and well written with good illustrations that explain important concepts for computer usage.”

–Nathan Eckenrode, New York Local Community Team

“Ubuntu is gaining popularity at the rate alcohol did during Prohibition, and it’s great to see a well-known author write a book on the latest and greatest version. Not only does it contain Ubuntu-specific information, but it also touches on general computer-related topics, which will help the average computer user to better understand what’s going on in the background. Great work, Mark!”

–Daniel R. Arfsten, Pro/ENGINEER Drafter/Designer

“I read a lot of Linux technical information every day, but I’m rarely impressed by tech books. I usually prefer online information sources instead. Mark Sobell’s books are a notable exception. They’re clearly written, technically accurate, comprehensive, and actually enjoyable to read.”

–Matthew Miller, Senior Systems Analyst/Administrator, BU Linux Project, Boston University Office of Information Technology

“This is well written, clear, comprehensive information for the Linux user of any type, whether trying Ubuntu on for the first time and wanting to know a little about it, or using the book as a very good reference when doing something more complicated like setting up a server. This book’s value goes well beyond its purchase price and it’ll make a great addition to the Linux section of your bookshelf.”

–Linc Fessenden, Host of The LinuxLink TechShow, tlts.org

“The author has done a very good job at clarifying such a detail-oriented operating system. I have extensive Unix and Windows experience and this text does an excellent job at bridging the gaps between Linux, Windows, and Unix. I highly recommend this book to both ‘newbs’ and experienced users. Great job!”

–Mark Polczynski, Information Technology Consultant

“When I first started working with Linux just a short 10 years or so ago, it was a little more difficult than now to get going. . . . Now, someone new to the community has a vast array of resources available on the web, or if they are inclined to begin with Ubuntu, they can literally find almost every single thing they will need in the single volume of Mark Sobell’s *A Practical Guide to Ubuntu Linux*®.

“I’m sure this sounds a bit like hyperbole. Everything a person would need to know? Obviously not everything, but this book, weighing in at just under 1200 pages, covers so much so thoroughly that there won’t be much left out. From install to admin, networking, security, shell scripting, package management, and a host of other topics, it is all there. GUI and command line tools are covered. There is not really any wasted space or fluff, just a huge amount of information. There are screen shots when appropriate but they do not take up an inordinate amount of space. This book is information-dense.”

–JR Peck, Editor, GeekBook.org

“I have been wanting to make the jump to Linux but did not have the guts to do so—until I saw your familiarly titled *A Practical Guide to Red Hat® Linux®* at the bookstore. I picked up a copy and am eagerly looking forward to regaining my freedom.”

–Carmine Stoffo, Machine and Process Designer to pharmaceutical industry

“I am currently reading *A Practical Guide to Red Hat® Linux®* and am finally understanding the true power of the command line. I am new to Linux and your book is a treasure.”

–Juan Gonzalez

“Overall, *A Practical Guide to Ubuntu Linux®* by Mark G. Sobell provides all of the information a beginner to intermediate user of Linux would need to be productive. The inclusion of the Live DVD of the Gutsy Gibbon release of Ubuntu makes it easy for the user to test-drive Linux without affecting his installed OS. I have no doubts that you will consider this book money well spent.”

–Ray Lodato, Slashdot contributor, [www.slashdot.org](http://www.slashdot.org)

## **Users Review**

### **From reader reviews:**

#### **Albert Aucoin:**

Reading a e-book tends to be new life style in this era globalization. With examining you can get a lot of information which will give you benefit in your life. Together with book everyone in this world can certainly share their idea. Publications can also inspire a lot of people. Many author can inspire all their reader with their story as well as their experience. Not only the storyplot that share in the publications. But also they write about the ability about something that you need example. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book that you can get now. The authors on earth always try to improve their proficiency in writing, they also doing some exploration before they write to their book. One of them is this *A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)*.

#### **Ashley Parra:**

Spent a free time for you to be fun activity to try and do! A lot of people spent their spare time with their family, or all their friends. Usually they doing activity like watching television, gonna beach, or picnic from the park. They actually doing same every week. Do you feel it? Do you need to something different to fill your own personal free time/ holiday? Could possibly be reading a book may be option to fill your free time/ holiday. The first thing you will ask may be what kinds of reserve that you should read. If you want to attempt look for book, may be the book untitled *A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)* can be good book to read. May be it is usually best activity to you.

#### **Ronald Jackson:**

As we know that book is very important thing to add our expertise for everything. By a book we can know everything we really wish for. A book is a list of written, printed, illustrated or blank sheet. Every year was exactly added. This book *A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition)* was filled



regarding science. Spend your free time to add your knowledge about your science competence. Some people has several feel when they reading a new book. If you know how big benefit from a book, you can experience enjoy to read a guide. In the modern era like currently, many ways to get book that you simply wanted.

#### **Tami Anders:**

Some individuals said that they feel bored when they reading a publication. They are directly felt that when they get a half regions of the book. You can choose often the book A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) to make your own reading is interesting. Your current skill of reading skill is developing when you such as reading. Try to choose very simple book to make you enjoy to learn it and mingle the sensation about book and looking at especially. It is to be initial opinion for you to like to wide open a book and examine it. Beside that the book A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) can to be your brand-new friend when you're feel alone and confuse in doing what must you're doing of this time.

**Download and Read Online A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell**  
**#GZJOYN4TRX7**

## **Read A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell for online ebook**

A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell books to read online.

### **Online A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell ebook PDF download**

**A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell Doc**

**A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell Mobipocket**

**A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell EPub**

**GZJOYN4TRX7: A Practical Guide to Fedora and Red Hat Enterprise Linux (7th Edition) By Mark G. Sobell**