

Learning Linux

Including Linux server administration. And certifications.

- [See also](#)
- [Resources which have caught Oliver's eye](#)
 - [Books](#)
 - [CentOS 6 Linux Server Cookbook](#)
 - [Essential Linux Administration: A Comprehensive Guide for Beginners](#)
 - [Other books](#)
 - [Online or video courses](#)
 - [Linux System Administration Live Lessons \(Video Training\), Downloadable Video](#)
 - [Online CentOS Server Course](#)
 - [Online Bash Shell Scripting](#)
 - [Tutorials](#)
 - [Labs](#)
 - [Server Management Manual - PDF](#)
 - [Labs and resources from Jason W. Eckert \(Novell\)](#)
 - [Linux Foundation's resources](#)
 - [Linux Training Videos](#)
 - [Linux System Administration \(LF242\)](#)
 - [Installing Linux for Linux Foundation Classes](#)
 - [Other training](#)
 - [Certifications designed to demonstrate Linux-related competencies](#)
 - [See also](#)
 - [Evaluated list of certifications and related training resources](#)

See also

- [Linux commands](#)

Resources which have caught Oliver's eye

Books

NOTE: Read many ebooks for free using CU Library's access. Get CUL Passkey to facilitate access to cited books from off-campus. See details on this page's parent page.

CentOS 6 Linux Server Cookbook

- http://proquest.safaribooksonline.com/book/operating-systems-and-server-administration/linux/9781849519021/centos-6-linux-server-cookbook/ch01_html?uicode=cornell
- <http://proquest.safaribooksonline.com/book/operating-systems-and-server-administration/linux/9781849519021>
- <http://www.amazon.com/CentOS-6-Linux-Server-Cookbook/dp/1849519021/>
- \$44.99 (but not buy since better books available, below?)
- Packt Publishing (April 18, 2013)

Essential Linux Administration: A Comprehensive Guide for Beginners

- <http://proquest.safaribooksonline.com/book/-/9781435459564/introduction/pref02?uicode=cornell>
- <http://www.amazon.com/Essential-Linux-Administration-Comprehensive-Beginners/dp/1435459563/>
- \$25.19 (but not buy since better books available, below?)
- Cengage Learning PTR; 1 edition (October 31, 2011)
- 464 pages

Other books

UNIX and Linux System Administration Handbook (4th Edition)

- <http://proquest.safaribooksonline.com/book/operating-systems-and-server-administration/linux/9780132117371/basic-administration/part01?uicode=cornell>
- Not available via Cornell's Safari subscription, apparently.
- <http://www.amazon.com/gp/product/0131480057>
- \$49.35 (was \$43.98 in ~Fall 2013...)
- Prentice Hall; 4th edition (July 24, 2010)
- <http://admin.com/>
- Also available from publisher, but more expensive:
 - <http://www.informit.com/store/unix-and-linux-system-administration-handbook-9780131480056>

- \$59.99

FYI: ChemIT has 2nd Edition (2007). It's very good, but a bit dated now.

Linux Administration A Beginners Guide 6/E

- <http://www.amazon.com/Linux-Administration-Beginners-Guide-Soyinka/dp/0071767584/>
- \$25.99
- McGraw-Hill Osborne Media; 6 edition (February 21, 2012)
- 736 pages

The Linux Command Line: A Complete Introduction

- <http://www.amazon.com/The-Linux-Command-Line-Introduction/dp/1593273894/>
- \$25.69
- No Starch Press; 1 edition (January 14, 2012)
- 480 pages
- Free download from author's web site:
 - <http://sourceforge.net/projects/linuxcommand/files/TLCL/13.07/TLCL-13.07.pdf/download>

Linux Pocket Guide, 2nd Edition

- <http://www.amazon.com/Linux-Pocket-Guide-2nd-Edition/dp/1449316697/>
- \$9.15
- Publisher: O'Reilly Media; Second Edition edition (March 27, 2012)
- 232 pages

Essential System Administration: Tools and Techniques for Linux and Unix Administration, 3rd Edition

- <http://www.amazon.com/Essential-System-Administration-Tools-Techniques/dp/B00CVDPBSK/>
- \$24.00 (out of print? too old?)
- Publisher: O'Reilly Media; 3rd edition (August 30, 2002)
- 1178 pages

Essential System Administration Pocket Reference: Commands and File Formats (Pocket Administrator)

- <http://www.amazon.com/Essential-System-Administration-Pocket-Reference/dp/B00CVDY8CU/>
- \$?? (Out of print; too old?)
- Publisher: O'Reilly Media (November 27, 2002)
- 146 pages

Online or video courses

Linux System Administration Live Lessons (Video Training), Downloadable Video

- <http://www.informit.com/store/linux-system-administration-livelessons-video-training-9780133551310>
- Downloadable Video: Your Price: \$159.99 (List Price: \$199.99)
- By Ben Whaley (co-author of the UNIX and Linux System Administration Handbook listed above!)
- Published Dec 12, 2013 by Prentice Hall
- "What you will learn" includes
 - How to use Vagrant and VirtualBox as a makeshift lab environment

Online CentOS Server Course

- <http://beginlinux.com/web/index.php?app=ecom&ns=prodshow&ref=centosservercourse>
- This is a comprehensive package designed to take you from a beginner to an advanced level with step-by-step instruction.
- \$119.95, for 6 months access
- Optional: Email_Support - Add \$75.00

Online Bash Shell Scripting

- http://beginlinux.com/web/index.php?app=ecom&ns=prodshow&ref=bash_scripts
- The goal is to be able to create scripts that you can use as an administrator immediately. The examples are designed to give you real tools.
- \$119.95, for 6 months access

Tutorials

Linux tutorials and technical how-to information and examples for Linux desktop and server configurations. Technical on-line training of Linux and Linux applications installation, configuration and use for the novice and professional.

- <http://www.yolinux.com/TUTORIALS/>
 - <http://www.yolinux.com/TUTORIALS/LinuxTutorialSysAdmin.html>

Labs

Server Management Manual - PDF

- <http://beginlinux.com/web/index.php?app=ecom&ns=prodshow&ref=servermanagementmanual>
- (Included in the Online CentOS Server Course, above.)
- This step-by-step manual will guide you through setting up and managing a server.
- \$49.95

Labs and resources from Jason W. Eckert (Novell)

- http://www.amazon.com/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=Jason+W.+Eckert&search-alias=books
- Example:
 - Lab Manual for Eckert's **Linux+ Guide to Linux Certification**, 3rd (Test Preparation) Paperback – April 16, 2013
 - <http://www.amazon.com/Getting-Started-Linux-Novells-CompTIA/dp/141883730X/>

Linux Foundation's resources

Linux Training Videos

- <http://training.linuxfoundation.org/free-linux-training/linux-training-videos>

Linux System Administration (LF242)

- <http://training.linuxfoundation.org/linux-courses/system-administration-training/linux-system-administration>

Installing Linux for Linux Foundation Classes

- <http://training.linuxfoundation.org/ways-to-train/general-information-and-faq/online-linux-training-requirements?id=780>

Other training

- <http://shop.linuxnewmedia.com/us/online-services-1/online-trainings-2/lpic-1.html>

Certifications designed to demonstrate Linux-related competencies

See also

- [CompTIA certification, training, and related](#)

Evaluated list of certifications and related training resources

- <http://www.tomsitpro.com/articles/linux-certifications,2-654.html>
 - Their top pick: <http://certification.comptia.org/getCertified/certifications/linux.aspx>
 - Two exams required, for \$188: LX0-103 and LX0-104 launches March 30, 2015. (LX0-101 and LX0-102 retires Aug. 30, 2015; can't mix-and-match series!)
 - Exam objectives: <http://certification.comptia.org/Training/testingcenters/examobjectives.aspx>
 - [http://certification.comptia.org/docs/default-source/exam-objectives/comptia-linux-powered-by-lpi-\(lx0-103\)-aug'14-version.pdf](http://certification.comptia.org/docs/default-source/exam-objectives/comptia-linux-powered-by-lpi-(lx0-103)-aug'14-version.pdf)
 - [http://certification.comptia.org/docs/default-source/exam-objectives/comptia-linux-powered-by-lpi-\(lx0-104\)-aug'14-version.pdf](http://certification.comptia.org/docs/default-source/exam-objectives/comptia-linux-powered-by-lpi-(lx0-104)-aug'14-version.pdf)
 - See: <http://certification.comptia.org/Training/studymaterials.aspx> Examples for new LX0-103/ LX0-104 exams coming in April-June(?) 2015:
 - <http://www.amazon.com/CompTIA-Certification-LX0-103-LX0-104-101-400/dp/0071841687/> (\$40.65; Multimedia CD, June 26, 2015)
 - <http://www.amazon.com/CompTIA-LX0-103-Self-Practice-Review-Questions/dp/1511548932/> (\$19.95; Paperback, Large Print, April 5, 2015)
 - <http://www.amazon.com/CompTIA-Linux-Powered-Professional-Institute/dp/1119021219/> (??Exam LX0-101 and Exam LX0-102??, but being released as 3rd Edition paperback in April 27, 2015?! "with a focus on the latest version of the exam"?)
 - <https://certification.comptia.org/Help/comptia-certmaster/certmaster-course-availability-course-details> (CertMaster courses are \$139. Note that Linux+ was not listed as available, as of April 6, 2015.)
 - Can get 5-day "Online LIVE" (Windows-based only) training for this certification through New Horizons for \$2,495.00, <http://www.newhorizons.com/components/templates/CourseOutline.aspx?wt=a&GroupId=358&CourseKey=200003829>.
 - And get the related LPI certification added for free:
 - <http://certification.comptia.org/getCertified/certifications/linux.aspx#3for1>
 - By completing the CompTIA Linux+ powered by LPI certification, you can also automatically receive the LPI LPIC-1 and the SUSE Certified Linux Administrator (CLA) certifications. Earn three industry-recognized certifications for the cost, time, and effort of one!
 - <http://greg.porter.name/wordpress/?p=1128> and <http://greg.porter.name/wordpress/?p=1113>
 - <https://www.lpi.org/certification/get-certified-lpi/lpic-1-linux-server-professional/>