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## Linux administration books pdf

Here is my list of the top 5 books that every sysadmin should read. UNIX and Linux System Administration Handbook (5th Edition) The best book on this topic is really this one: UNIX and Linux System Administration Handbook (5th Edition) This is an amazing book that is comprehensive and easy to read. This book includes RHEL 7.1, Ubuntu 17.04, Debian 9.0 and FreeBSD 11.0. Gotta read. You won't regret buying it. Linux Command Line, 2nd Edition: Complete Introduction to Linux Command Line, 2nd Edition: Your Complete Introduction will not be disappointed, if you are a beginner, hobbyist, or want to learn something new. you will not regret this purchase. This book is an important and complex perfect balance. Absolute FreeBSD, 3rd Edition absolute FreeBSD, 3rd Edition: A Complete Guide to Rich FreeBSD Content and well-written books. Even if you don't touch FreeBSD on your daily routine, you'll benefit a lot by reading this book. In my humble opinion every Linux sysadmin should know a thing or two about the awesome FreeBSD operating system. Securing DevOps Securing DevOps Each admin will benefit from this book. The author covers a whole heap of topci security that you can implement in the DevOps field of forming TLS/SSL, protecting the cloud infrastructure, protecting web applications... Docker in Action 2nd Edition Docker in Action 2nd Edition This one is simple. You should read a book on container technology. And this one includes the Docker. Containers are the future of web application delivery and installation. Knowing Linux is essential for any system administration, middleware, web engineer work. Linux is used almost everywhere in production or non-production environments. There are thousands of articles, books, training videos to explore and learn, but it will take time. Instead, you can follow one or two related books or online training. The following learning materials cover a large number of Linux Administration tasks from the beginning to the expert level. So choose the one that suits you. Linux administration cookbook Need recipes to get up and running with the modern Linux admin ecosystem? The book offers more than 100 of them. It offers a roadmap for managing all kinds of Linux machines, from small Raspberry Pi to production servers in Azure Cloud. On its page, you'll find tools and knowledge to solve everyday problems and to understand how gnu Linux inner workings. Through an easy guide, decorated with anecdotes and experiences, the author shares his extensive experience as a data center engineer, teaching how to install and configure systems. By the time you finish reading, you will gain valuable knowledge about the administration Linux troubleshooting courses Throughout the 12 hours and 49 minutes, this video course will help you understand basic and complex Linux troubleshooting, teaching with real life help on how to manage your company's IT environment and offer a smooth response to critical issues. This interactive course offers valuable tips and techniques that help maintain the Linux server infrastructure with minimum downtime. It guides you through proven troubleshooting best practices and then describes effective diagnosis and repair techniques for common and complex administrative problems on Linux servers. Linux server management and security This course lasts four weeks and guides you through the main Linux administration tasks from an enterprise perspective. It starts with a look at what Linux is used for in the company, teaching you how to distinguish between different versions of Linux. Then explore Linux configurations and demonstrate the use of different Linux commands. After that, he dived into user authentication and administration mechanisms, and finally, he got into security, explaining various technologies for securing Linux systems and teaching the topic of access control. This course is part of a special program on Security Management and Computer Systems. Learn Linux in 5 Days One of the best-selling online courses in Udemy to learn Linux in 5 days. Over 100,000 students enrolled with 4.5 out of 5 rankings give enough credibility about the course. Jason Cannon, author, discusses a variety of topics about managing and managing a Linux operating system. If you have limited time and want to understand knowledge of RHEL, Fedora, OpenSUSE, Slackware, Debian, Ubuntu, etc. Linux Command Line A Complete Linux Command Line Introduction by William Shotts is one of the bestselling Linux books. If you like or want to get control on Linux using the terminal via the GUI, then this book will give you everything you need as a Linux Administrator. You can expect to learn shell, write shell scripts, manage daily tasks using essential tools, etc. Linux for developers As part of coursera's dedicated Open Source Software Development program, this course teaches major Linux topics to developers. It intends to make developers feel comfortable working with the command line. After diving into the history of Linux and explaining what Linux is, it goes into separating the Linux kernel from the rest of the operating system, contributing to the kernel, working with file systems, monitoring utilities, etc. After taking this course, you will master the essential skills necessary to work with Linux systems every day. Linux Security && Hardening A practical guide focuses on how to harden and secure a Linux OS that covers the following topics. Protect Linux from hackers Enforce strong password policies, aging policies, SSH && password controls Network Configuration Sudo Security file system && Firewall encryption configuration Port scan and more... If you have a basic idea about about and want to improve your skills in security, then this online course will be very helpful. It contains 4.5 hours of video, two articles that you can access anytime, anywhere. Linux Kernel in Nutshell Ready to dive into Linux kernel to build && Configure? This FREE book helps you with the following Kernel topics. Introduction to the kernel and how to build it How to retrieve a kernel source How to install the kernel and boot from it How to improve && customize kernel Kernel Reference && Useful utility Completing a Linux Training Course If you plan to get your dream job this year, this course may be all you need to achieve that goal. It prepares you for the corporate world and to get RHCSA (Red Hat Certified System Administrator), RHCE (Red Hat Certified Engineer) and LFCS (Linux Foundation Certified System Administrator) certifications. By the time you complete the course, you will become a professional Linux administrator, be able to take the EX-200 exam and pass. Your knowledge will include over 150 Linux system admin commands and many solutions for Linux troubleshooting. The course includes 29 hours of on-demand video, 24 articles, 120 downloadable resources, lifetime access to course materials, and a certificate of study. The only thing that is needed is a strong desire for learning and computers. Cheat Sheet If you need a command reference, then this FREE Linux Command Line Cheat Sheet will be useful for you. You can also refer to my previous post on the cheat sheet for various elements. Linux Administration Bootcamp Go from beginner to expert with Linux administration bootcamp. The 7.5 hour on-demand video cover is almost everything you should be aware of as a Linux administrator. If you have a basic idea and want to improve your skills to become an expert, then this course will come in handy. Google IT Support Professional Certification If you plan on getting a job in IT to support, this 5-course certificate can prepare you for an entry-level role in a small business or in a global enterprise. Top employers are looking for certified professionals, so Google certificates can be a valuable asset when applying for IT jobs. The certification program uses a mix of video lectures, quizzes, and live labs, where you will be introduced to customer service, system administration, security, and troubleshooting. You only need to dedicate about 5 hours a week, and in less than six months, you will be able to complete the program. Starting linux to feel confident when taking your first step into the world of Linux administration, you need an inspiring guide, like David Clinton, teacher Getting Started with Linux. Course by explaining how to find Linux distributions and open source software and work with them. Furthermore, it teaches you to control and optimize the Linux runtime environment. Dan Dan this explains how to use physical and virtual Linux instances to manage server applications, such as Apache and Nextcloud. When you are done with this course, you will install and manage such a professional Linux system, and you will have the necessary knowledge to understand what Linux can do for you and your career. Mastery of Linux Exactly 11.5 hours, this course will teach you how to master the Linux command line, even if you have no previous experience. You'll learn how to use Bash scripts and Cron scheduling to automate repetitive tasks and install and manage open source software with the package manager. In addition to gaining a complete understanding of Linux, you will have the necessary knowledge to operate a Linux computer completely from the command line. The course offers 11.5 hours of on-demand video, three articles, 14 downloadable resources, lifetime access to course materials, and a certificate of study. It's meant primarily for beginners, so the only thing it takes is to have no experience with Linux. LPI Linux Essentials Certification If you have plans for a career in Linux system administration or just want to expand your IT knowledge, this certification can push you in the right direction. This course teaches the basic components of the Linux operating system and ensures students are exposed to each of the objectives of the Linux Essentials LPI exam. The course consists of 5 main topics, covering the basics of Linux and open source software, shell and command line interfaces, various versions of Linux, and comparisons with other operating systems, basic hardware, and network knowledge, as well as security and permissions. After the course, you get a practical exam and guidance to prepare for the exam and further steps beyond getting certified. Fundamental Red Hat Enterprise Linux Red Hat Enterprise Linux is one of the most popular Linux distributions in the company's IT department. The basics of Red Hat Enterprise Linux provide a basic introduction to this operating system, showing how it is organized and showing an introductory admin task. This course provides a solid foundation for mastering Red Hat Enterprise Linux from the command line. It teaches fundamental operational tasks, useful both for the desktop version and for remote systems. Topics covered include accessing the command line, managing files, creating/viewing/editing text files, managing local Linux users and groups, monitoring processes, and installing and updating software. Linux Basics for IT professionals Experienced Linux academics dictate many Linux courses. Well, this isn't happening. Linux basics for IT professionals determined by regular IT professionals who want to share they are in using the most common Linux commands and writing simple shell scripts for the most common needs. Tje Tje the thing about this course is that teachers and students speak basically the same language. The course is student-oriented computer science or information technology, testing professionals, software engineers, application developers, data engineers, database administrators, etc. After taking the course, you will feel comfortable while performing daily operations, automating routine tasks, and hacking to get useful debugging information from log files. Tutorials and projects Linux Collection tutorials are free and very specific in Linux administration. This course covers topics such as SSL certificate management in CentOS Linux and Apache, Replication of MySQL Master-Slave on Ubuntu, http load balancing and web traffic using Nginx, and more. The teacher, Jason Cannon, is also a Linux writer for Beginners and founder of linux training academy. Throughout this course, he shared some of his real-world Linux experiences. The course includes 41 minutes of on-demand video, three articles, four downloadable resources, lifetime access to course materials, and a certificate of study. Linux tutorial Ryan Chadwick, author of this tutorial, enjoys teaching Linux to students. He's been doing that for over ten years. And one of the things he teaches is how to be lazy, but creative - that is, how to assemble a tool to do almost anything, to have a computer do the work for his master. After taking this tutorial, you probably won't be a Linux teacher, but you'll have the right knowledge to get there if that's what you want. The tutorial provides the foundation in how to use the terminal and how to use the Linux command line (Bash). The goal is to take mystery, complexity, and scarcity away from the line of command. Also, the tutorial aims to explain the most suitable use cases for the command line and for the GUI. Travel Linux Travel online, textually, and interactively throughout the realm of Linux. There is no predetermined path on this journey. You can jump directly to topics you're interested in: command lines, permissions, processes, packages, file systems, devices, networks, troubleshooting, etc. Or, if you like, you can follow the suggested order. In any case, on this site, you will find a lot of resources and knowledge to master all aspects of the Linux operating system. Each topic is described in detail, with practical examples, and each lesson has a short exam to test your knowledge. Linux basics course Collection of 55 YouTube video tutorials, ranging from basic Linux shell commands for beginners to OS virtualization, network security, and other specific topics for professional system administrators. The author started making this video for a friend who wants to learn sysadmin Linux. The first video was so successful that the author expanded the playlist to cover a wider range topics, tools, practical projects, and career advice. The video seeks a balance between theory and practice, tries to provide the theory necessary to understand the system under command and, in turn, offers practice material to learn how to solve real-world problems. Advanced Linux: Dr. Kevin Dankwardt's Linux kernel took his students to dive into the heart of the Linux operating system: the Linux kernel. This tutorial offers the necessary knowledge to become familiar with the Linux kernel, as well as the configuration and troubleshooting mechanisms of it. This is not a course for beginners, taking into account that it covers advanced topics, such as Linux kernel specifications, boot processes, and loadable kernel modules. Throughout the lesson, you'll practice techniques for configuring the Linux kernel from scratch and downloading and searching for the source code of the Linux kernel. Almost every chapter is followed by a challenge video that offers you to test the Linux skills you learn. Topics include reading Linux kernel messages, reading and writing files from proc and sysfs file systems, configuring GRUB, using kernel command line parameters, debugging, configuring run levels, etc. Learning options for all tastes Nowadays, you should have a clear idea of how to start learning Linux administration, whether you prefer to read books, watch videos, attend classes, or read interactive web pages. If you are currently working in IT, or planning to start a career in IT, you should choose one of these options, and start studying Linux administration immediately. Go.