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The official "Ubuntu 11.04 Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

Get introduced to the world of Docker containers from a SQL Server DBA's perspective. This book explains container technology and how it can improve the deployment of your SQL Server databases without infrastructure lock-in. You will be equipped with the right technical skills to guide stakeholders in your business as they adopt and adapt to new technologies to improve time-to-market and competitiveness. You will learn how to build a lab environment at home on which to build skills that transfer directly into your day job. This book teaches you how to install and configure Docker on both Windows Server and Linux operating systems. You will learn the most common Docker commands that you need to know as a DBA to deploy and manage SQL Server on containers. Support for SQL Server on Linux is new, and this book has your back with guidance on creating Docker images specifically for deployment to a Linux platform. Included is coverage of key Linux commands needed to manage SQL Server on that operating system. By the end of the book you will have learned how to create your own custom SQL Server container images with configuration settings that are specific to your organization, that are capable of being deployed to both Windows Server and Linux. What You Will Learn Create Docker containers for agile deployment of SQL Server Run multiple SQL Server instances on a single Linux machine Deploy custom images specific to your organization's needs Know the benefits and architecture of container technology Install and configure Docker on Windows Server and Linux Manage and persist SQL Server data in Docker containers Who This Book Is For Intermediate to senior SQL Server DBAs who are familiar with SQL Server on Windows and want to build their existing skills to deploy and manage SQL Server on Linux and through Docker containers. Readers should have a grasp of relational database concepts and be comfortable with the Transact-SQL language.

How to create the DEB packet. The micro-course describes the way of creating the DEB packet. The simplest method is creating manually all necessary files making the packet and using the dpkg-deb command. This method of creating a packet requires making according structure files. To automate these tasks you can use the debhelper and the dh_make. In this micro-course you can find example procedures used for this purpose.

The Official Ubuntu Server Guide contains information on how to install and configure various server applications on your Ubuntu system to fit your needs. It is a step-by-step, task-oriented guide for configuring and customizing your system.

CompTIA Linux+ Certification Study Guide offers a practical guide for those interested in pursuing a Linux+ certification. It covers the required content as specified in CompTIA's exam objectives and has been shaped according to the respective exam experiences of the authors. Careful attention has been paid to ensure that each exam objective has been covered and that each term in the list at the end of the objectives has been included in a glossary at the end of the book. The book has been designed in such a way that readers will start with installing Linux and end up with a useable and secure Linux workstation and server that is supported and managed. Key topics discussed include booting Linux; how to use the BASH command-line interpreter (CLI) or BASH shell; and how to install applications to transform the Linux system into a productive tool. The remaining chapters cover the configuration of Linux as a workstation and as a server; security objectives; and the care and feeding of a Linux system. Each chapter ends with 15 exam questions along with a corresponding answer key. Covers everything from test taking techniques to advanced topics - keeping the beginner and intermediate IT professional in mind Layout of the guide parallels the 2009 Linux+ objectives for ease of study More than just a book, this kit includes a self test, tiered questions, and two practice exams

The Best Test Prep for the CompTIA Linux+ Powered By LPI Exams One of Sybex's most popular certification Study Guides, CompTIA Linux+ Study Guide, Second Edition thoroughly prepares candidates for the CompTIA Linux+ Powered by LPI exams (LX0-101 and LX0-102). In addition to full coverage of all exam objectives for both exams, chapter review questions, and hands-on exercises, this CompTIA Authorized courseware also includes access to a great set of Linux-, Mac-, and Windows-compatible online test-prep tools. Author Roderick W. Smith, CompTIA Linux+, LPIC-1, LPIC-2, is a Linux networking expert who gives candidates the authoritative instruction and review they need. Provides full coverage of all exam objectives for the CompTIA Linux+ Powered by LPI exams ((LX0-101 and LX0-102) Includes challenging review questions, hands-on exercises, and real-world scenarios that put the information in the context of real job roles Provides access to a Linux-, Mac-, and Windows-compatible custom test engine, with hundreds of sample questions and flashcards Covers essential topics, such as system architecture, installation, GNU and Unix commands, filesystems and filesystem hierarchy, shells, scripting, data management, networking fundamentals, security, and more CompTIA Linux+ Study Guide, Second Edition is what you need for top-notch preparation for the CompTIA Linux+ Powered by LPI certification exams.

Appendix Answers to Review Questions -- Chapter 1: Starting a System -- Chapter 2: Maintaining the System -- Chapter 3: Mastering the Kernel -- Chapter 4: Managing the Filesystem -- Chapter 5: Administering Advanced Storage Devices -- Chapter 6: Navigating Network Services -- Chapter 7: Organizing Email Services -- Chapter 8: Directing DNS -- Chapter 9: Offering Web Services -- Chapter 10: Sharing Files -- Chapter 11: Managing Network Clients -- Chapter 12: Setting Up System Security -- Advert -- EULA

The all-in-one practical guide to supporting Cisco networks using freeware tools.

Linux mint 20.2 (Uma) is based on the Ubuntu 20.04 LTR (Long Term Release). The Cinnamon and Mate desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Manager, Warpinator, Timeshift, NetworkManager, the Samba server, and Mint software management applications (Software Manager and Update Manager). The Linux Mint X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetooth setup, printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls, and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windows file server. Be advised that there are few changes between Linux Mint 20.2 and Linux Mint 20.

For use with all versions of Linux, including Ubuntu,™ Fedora,™ openSUSE,™ Red Hat,® Debian, Mandriva, Mint, and now OS X, too! Get more done faster, and become a true Linux guru by mastering the command line! Learn from hundreds of realistic, high-quality examples NEW! Coverage of the Mac OS X command line and its unique tools NEW! Expert primer on automating tasks with Perl The Most Useful Linux Tutorial and Reference, with Hundreds of High-Quality Examples for Every Distribution—Now Covers OS X and Perl, Too! To be truly productive with Linux, you need to thoroughly master shells and the command line. Until now, you had to buy two books to gain that mastery: a tutorial on fundamental Linux concepts and techniques, plus a separate reference. Now, there's a far better solution. Renowned Linux expert Mark Sobell has brought together comprehensive, insightful guidance on the tools system administrators, developers, and power users need most, and an outstanding day-to-day reference, both in the same book. This book is 100 percent distribution and release agnostic: You can use it with any Linux system, now and for years to come. Use Macs, too? This new edition adds comprehensive coverage of the Mac OS X command line, including essential OS X-only tools and utilities other Linux/UNIX books ignore. Packed with hundreds of high-quality, realistic examples, this book gives you Linux

from the ground up: the clearest explanations and most useful knowledge about everything from filesystems to shells, editors to utilities, and programming tools to regular expressions. Sobell has also added an outstanding new primer on Perl, the most important programming tool for Linux admins seeking to automate complex, time-consuming tasks. A Practical Guide to Linux® Commands, Editors, and Shell Programming, Second Edition, is the only book to deliver Better, more realistic examples covering tasks you'll actually need to perform Deeper insight, based on Sobell's immense knowledge of every Linux and OS X nook and cranny A start-to-finish primer on Perl for every system administrator In-depth coverage of basic and advanced Linux shell programming with bash and tcsh Practical explanations of 100 core utilities, from aspell to xargs—including Mac OS X specific utilities from ditto to SetFile All-new coverage of automating remote backups with rsync Dozens of system security tips, including step-by-step walkthroughs of implementing secure communications using ssh and scp Tips and tricks for customizing the shell and using it interactively from the command line Complete guides to high-productivity editing with both vim and emacs A comprehensive, 286-page command reference section—now with revised and expanded indexes for faster access to the information you need Instructions for updating systems automatically with apt-get and yum Dozens of exercises to help you practice and gain confidence And much more, including coverage of BitTorrent, gawk, sed, find, sort, bzip2, and regular expressions The official "Ubuntu 10.04 LTS Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

Gain insights into Bitcoin, a cryptocurrency and a powerful technology, to optimize your Bitcoin mining techniques About This Book Learn how to use the advanced features of Bitcoin wallets Set up your Bitcoin mining operations to mine with efficiency Explore what the future holds for mining and blockchains in this pragmatic guide Who This Book Is For If you have never mined before, this book will ensure that you know what mining is all about. If you are familiar with Bitcoin mining, then it will help you to optimize your mining operations at a deeper level. A basic understanding of computers and operating systems is assumed, and some familiarity with cryptocurrency basics would be an added advantage. What You Will Learn Get introduced to Bitcoin mining from the ground up Find out about mining software and the different types of mining hardware Master setup techniques to enable efficient mining Examine the pros and cons of the different types of mining hardware Deduce the differences between solo and pool mining Take a peek into professional mining farms Explore the future of mining and blockchain-based applications In Detail Blockchain is being billed as the technology of the future. Bitcoin is the first application of that technology. Mining is what makes it all possible. Exploring mining from a practical perspective will help you make informed decisions about your mining setup. Understanding what the future may hold for blockchains, and therefore for mining, will help you position yourself to take advantage of the impending changes. This practical guide starts with an introduction to Bitcoin wallets, as well as mining hardware and software. You will move on to learn about different mining techniques using the CPU, GPU, FPGA, and ultimately the ASIC as an example. After this, you will gain an insight into solo mining and pool mining, and see the differences between the two. The book will then walk you through large-scale mining and the challenges faced during such operations. Finally, you will take a look into the future to see a world where blockchain-based applications are commonplace and mining is ubiquitous. Style and approach This is a practical guide that includes detailed step-by-step instructions and examples on each essential concept of Bitcoin mining.

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Mac OS X Leopard: Beyond the Manual is written for the sophisticated computer user who would find an introductory manual tedious. Features new to Leopard are emphasized, as are complex features that, though available in earlier versions of OS X, were not readily accessible. The narrative is fast-paced, concise, and respectful of the reader's familiarity with earlier versions of the program.

The Linux Mint Beginner's Guide (Second Edition) will show you how to get the most out of Linux Mint, from using the Cinnamon desktop environment to advanced command-line tasks. In the Guide, you will learn how to: -Install Linux Mint. -Use the desktop environment. -Manage files and folders. -Manage users, groups, and file permissions. -Install software on a Linux Mint system, both from the command line and the GUI. -Configure network settings. -Use the vi editor to edit system configuration files. -Install and configure a Samba server for file sharing. -Install SSH for remote system control using public key/private key encryption. -Install a LAMP server. -Install web applications like WordPress. -Configure an FTP server. -Manage ebooks. -Convert digital media. -And many other topics.

The guide is an introductory guide to deploying piping applications on the Google Cloud Dataproc Application Programming Interface (API). The piping applications considered are those used for category counting, property summing and property averaging in a managed cluster environment in the cloud.

In this book, Harley Hahn demystifies Emacs for programmers, students, and everyday users. The first part of the book carefully creates a context for your work with Emacs. What exactly is Emacs? How does it relate to your personal need to work quickly and to solve problems? Hahn then explains the technical details you need to understand to work with your operating system, the various interfaces, and your file system. In the second part of the book, Hahn provides an authoritative guide to the fundamentals of thinking and creating within the Emacs environment. You start by learning how to install and use Emacs with Linux, BSD-based Unix, Mac OS X, or Microsoft Windows. Written with Hahn's clear, comfortable, and engaging style, Harley Hahn's Emacs Field Guide will surprise you: an engaging book to enjoy now, a comprehensive reference to treasure for years to come. What You Will Learn Special Emacs keys Emacs commands Buffers and windows Cursor, point, and region Kill/delete, move/copy, correcting, spell checking, and filling Searching, including regular expressions Emacs major modes and minor modes Customizing using your .emacs file Built-in tools, including Dired Games and diversions Who This Book Is For Programmers, students, and everyday users, who want an engaging and authoritative introduction to the complex and powerful Emacs working environment.

This IBM® Redbooks® publication documents and addresses topics to provide step-by-step programming concepts to tune the applications to use IBM POWER8® hardware architecture with the technical computing software stack. This publication explores, tests, and documents how to implement an IBM high-performance computing (HPC) solution on POWER8 by using IBM technical innovations to help solve challenging scientific, technical, and business problems. This book demonstrates and documents that the combination of IBM HPC hardware and software solutions delivers significant value to technical computing clients in need of cost-effective, highly scalable, and robust solutions. This book targets technical professionals (consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for delivering cost-effective HPC solutions that help uncover insights among clients' data so that they can act to optimize business results, product development, and scientific discoveries.

Updated for the latest LPIC-1 Exams 101 and 102 The LPIC-1 certification measures your understanding of the Linux Kernel. As the Linux server market continues to grow, so does the demand for certified Linux administrators. Prepare for the latest versions of the LPIC-1 exams 101 and 102 with the new edition of this detailed Study Guide. This practical book covers key Linux administration topics and all exam objectives and includes real-world examples and review questions to help you practice your skills. In addition, you'll gain access to a full set of online study tools, including bonus practice exams, electronic flashcards, and more. Prepares candidates to take the Linux Professional Institute exams 101 and 102 and achieve their LPIC-1 certification Covers all exam objectives and features expanded coverage on key topics in the exam Includes real-world scenarios, and challenging review questions Gives you online access to bonus practice exams, electronic flashcards, and a searchable glossary Topics include system architecture, installation, GNU and Unix commands, Linux filesystems, essential system services, networking fundamentals, security, and more Approach the LPIC-1 certification exams with confidence, with LPIC-1: Linux Professional Institute Certification Study Guide, Third Edition.

CompTIA Authorized Linux+ prep CompTIA Linux+ Study Guide is your comprehensive study guide for the Linux+ Powered by LPI certification exams. With complete coverage of 100% of the objectives on both exam LX0-103 and exam LX0-104, this study guide provides clear, concise information on all aspects of Linux administration, with a focus on the latest version of the exam. You'll gain the insight of examples drawn from real-world scenarios, with detailed guidance and authoritative coverage of key topics, including GNU and Unix commands, system operation, system administration, system services, security, and more, from a practical perspective that easily translates into on-the-job know-how. You'll also get access to helpful study tools, including bonus practice exams, electronic flashcards, and a searchable glossary of key terms that are important to know for exam day. Linux is viewed by many companies and organizations as an excellent, low-cost, secure alternative to expensive operating systems such as Microsoft Windows. The CompTIA Linux+ Powered by LPI exams test a candidate's understanding and familiarity with the Linux Kernel. Review the basic system architecture, installation, and management Understand commands, devices, and file systems Utilize shells, scripting, and data management techniques Navigate user interfaces, desktops, and essential system services As the Linux server market share continue to grow, so too does the demand for qualified and certified Linux administrators. Certification holders must recertify every five years, but LPI recommends recertifying every two years to stay fully up to date with new technologies and best practices. CompTIA Linux+ Study Guide gives you the advantage of exam day confidence.

The official "Ubuntu 10.10 Server Guide" contains information on how to install and configure various server applications on your Ubuntu system to fit your needs.

Thorough LPIC-1 exam prep, with complete coverage and bonus study tools LPIC-1 Study Guide is your comprehensive source for the popular Linux Professional Institute Certification Level 1 exam, fully updated to reflect the changes to the latest version of the exam. With 100% coverage of objectives for both LPI 101 and LPI 102, this book provides clear and concise information on all Linux administration topics and practical examples drawn from real-world experience. Authoritative coverage of key exam topics includes GNU and UNIX commands, devices, file systems, file system hierarchy, user interfaces, and much more, providing complete exam prep for the LPIC-1 candidate. Get access to invaluable study tools, including bonus practice exams, electronic flashcards, and a searchable PDF of key terms featured on the exam. Linux is viewed by many companies and organizations as an excellent, low-cost, secure alternative to expensive operating systems, such as Microsoft Windows. The LPIC-1 tests a candidate's understanding and familiarity with the Linux Kernel. This book provides comprehensive preparation and review, helping readers face the exam with confidence. Review the system architecture, Linux installation, and package management Understand shells, scripting, and data management more completely Practice administrative tasks and essential system services Brush up on networking fundamentals and security issues As the Linux server market share continue to grow, so too does the demand for qualified and certified Linux administrators. Certification holders must recertify every five years, but LPI recommends recertifying every two years to stay fully up to date with new technologies and best practices. As exam day approaches, LPIC-1 Study Guide is the one source you will want by your side.

Learn the Raspberry Pi 3 from the experts! Raspberry Pi User Guide, 4th Edition is the "unofficial official" guide to everything Raspberry Pi 3. Written by the Pi's creator and a leading Pi guru, this book goes straight to the source to bring you the ultimate Raspberry Pi 3 manual. This new fourth edition has been updated to cover the Raspberry Pi 3 board and software, with detailed discussion on its wide array of configurations, languages, and applications. You'll learn how to take full advantage of the mighty Pi's full capabilities, and then expand those capabilities even more with add-on technologies. You'll write productivity and multimedia programs, and learn flexible programming languages that allow you to shape your Raspberry Pi into whatever you want it to be. If you're ready to jump right in, this book gets you started with clear, step-by-step instruction from software installation to system customization. The Raspberry Pi's tremendous popularity has spawned an entire industry of add-ons, parts, hacks, ideas, and inventions. The movement is growing, and pushing the boundaries of possibility along with it—are you ready to be a part of it? This book is your ideal companion for claiming your piece of the Pi. Get all set up with software, and connect to other devices Understand Linux System Admin nomenclature and conventions Write your own programs using Python and Scratch Extend the Pi's capabilities with add-ons like Wi-Fi dongles, a touch screen, and more The credit-card sized Raspberry Pi has become a global phenomenon. Created by the Raspberry Pi Foundation to get kids interested in programming, this tiny computer kick-started a movement of tinkerers, thinkers, experimenters, and inventors. Where will your Raspberry Pi 3 take you? The Raspberry Pi User Guide, 3rd Edition is your ultimate roadmap to discovery.

The Definitive Guide to MongoDB, Second Edition, is updated for the latest version and includes all of the latest MongoDB features, including the aggregation framework introduced in version 2.2 and hashed indexes in version 2.4. MongoDB is the most popular of the "Big Data" NoSQL database technologies, and it's still growing. David Hows from 10gen, along with experienced MongoDB authors Peter Membrey and Eelco Plugge, provide their expertise and experience in teaching you everything you need to know to become a MongoDB pro.

If you use Linux in your day-to-day work, this popular pocket guide is the perfect on-the-job reference. The third edition features new commands for processing image files and audio files, running and killing programs, reading and modifying the system clipboard, and manipulating PDF files, as well as other commands requested by readers. You'll also find powerful command-line idioms you might not be familiar with, such as process substitution and piping into bash. Linux Pocket Guide provides an organized learning path to help you gain mastery of the most useful and important commands. Whether you're a novice who needs to get up to speed on Linux or an experienced user who wants a concise and functional reference, this guide provides

quick answers. Selected topics include: The filesystem and shell File creation and editing Text manipulation and pipelines Backups and remote storage Viewing and controlling processes User account management Becoming the superuser Network connections Audio and video Installing software Programming with shell scripts

Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info

A guide to Ubuntu Linux covers such topics as installation, the desktop, utilities, the shell, networking, system administration, the Linux kernel, CUPS, DNS, OpenSSH, Samba, and Apache. Updated with the latest advances from the field, **GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS**, Fifth Edition combines all-encompassing topic coverage and authoritative information from seasoned experts to deliver the most comprehensive forensics resource available. This proven author team's wide ranging areas of expertise mirror the breadth of coverage provided in the book, which focuses on techniques and practices for gathering and analyzing evidence used to solve crimes involving computers. Providing clear instruction on the tools and techniques of the trade, it introduces readers to every step of the computer forensics investigation—from lab set-up to testifying in court. It also details step-by-step guidance on how to use current forensics software. Appropriate for learners new to the field, it is also an excellent refresher and technology update for professionals in law enforcement, investigations, or computer security. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Provides a solid foundation for those considering a career in IT—covers the objectives of the new Linux Essentials Exam 010-160 v1.6 Linux is a secure, reliable, open source alternative to costly operating systems such as Microsoft Windows. As large organizations worldwide continue to add Linux servers, the need for IT professionals skilled in Linux continues to grow. The LPI Linux Essentials Study Guide is a valuable resource for anyone preparing to take the new Linux Essentials Exam—the entry-level certification from The Linux Professional Institute (LPI) which validates knowledge of Linux concepts and applications. Written by recognized experts on Linux and open source technologies, this accessible, user-friendly guide covers desktop skills, the command line, directories and files, networks, scripting, security, users and permissions, and much more. Clear, concise chapters provide numerous hands-on tutorials, real-world examples, color illustrations, and practical end-of-chapter exercises and review questions. An ideal introduction for those new to Linux or considering a career in IT, this guide helps readers: Learn the operation and components of Linux desktops and servers Understand open source software, licensing, and applications Configure networks, security, cloud services, storage, and devices Create users and groups and set permissions and ownership Use the command line and build automation scripts LPI Linux Essentials Study Guide: Exam 010 v1.6 is perfect for anyone beginning a career in IT, newcomers to Linux, students in computer courses, and system administrators working with other operating systems wanting to learn more about Linux and other open source solutions.

The CompTIA Linux+/LPIC-1 Training and Exam Preparation Guide, First Edition is a comprehensive resource designed and written with one fundamental goal in mind: teach Linux in an easy and practical manner while preparing for the Linux+/LPIC-1 exams. This book provides an in-depth coverage of all official exam objectives. This book is organized in two parts: Part One covers LX0-103/101-400 exam objectives and Part Two covers LX0-104/102-400 exam objectives. The book includes hands-on examples, step-by-step exercises, chapter-end review of concepts, files, and commands learned, and 790 challenging practice questions. This book uses "learn-by-doing" methodology. It begins with guidance on how to download a virtualization software and two Linux distribution versions and then provides instructions on how to create VMs and install Linux in them to set up a lab environment for hands-on learning. Throughout the book, appropriate command prompts are employed to identify the lab system and user to run a command. Each command and task presented in the book was actually performed and tested on lab systems. Followed by the lab environment setup in Part One, the book presents the essentials of Linux incl. interaction with Linux, basic commands, file management (permissions, ownership, linking, searching, special permissions, editing), filter programs, regex, shell features, and process handling. Subsequent topics focus on system administration incl. shared libraries, Debian and RPM package management, system boot and initialization, hardware management, kernel modules, storage partitioning, file system creation and repairs, quota handling, and swap space administration. This brings Part One to an end and you should be able to take the quiz in Appendix A to test your readiness for the LX0-103/101-400 exam. Part Two covers all the objectives for the LX0-104/102-400 exam. It covers shell scripts with a presentation and line-by-line analysis of several scripts. Building a simple SQL database and performing queries comes next. A detailed comprehension of local authentication files, user creation, password aging, and shell startup files follows. The book covers networking concepts, reference models, and terms that accompany exercises on interface configuration, hostname change, and route management. A discussion of network testing and debugging tools is furnished and their usage is demonstrated, followed by topics on internationalization, localization, time synchronization, name resolution, X Window, display/desktop managers, accessibility options, printer and print queue administration, task scheduling, system logging, system and service access controls, emailing and email aliasing, searching for special files, and so on. This brings Part Two to an end and you should be able to take the quiz in Appendix C to test your readiness for the LX0-104/102-400 exam. Highlights: * 100% coverage of ALL official exam objectives (version 4.0) * Enumerated and descriptive knowledge areas (under exam objectives) to assist in identifying and locating them * A summarized and convenient view showing exam objectives, chapters they are discussed in, associated weights, the number of questions to expect on the real exam, and other useful information * Separate section on each exam * 15 chapters in total (8 for

LX0-103/101-400 and 7 for LX0-104/102-400) * Detailed guidance on building lab environment * 49 tested, hands-on exercises with explanation * Numerous tested, practical examples for clarity and understanding * Chapter-end one-sentence review of key topics * 790 single-response, multiple-response, and fill-in-the-blank practice questions/answers to test your knowledge of the material and exam readiness * Equally good for self-study and in-class training

Here's the book you need to prepare for CompTIA's updated Linux+ exam, #XK0-002. This Study Guide was developed to meet the exacting requirements of today's certification candidates. In addition to the consistent and accessible instructional approach that has earned Sybex the reputation as the leading publisher for certification self-study guides, this book provides: Clear and concise information on setting up and administering a Linux system Practical examples and insights drawn from real-world experience Leading-edge exam preparation software, including a Windows- and Linux-compatible testing engine and electronic flashcards You'll also find authoritative coverage of key exam topics, including: Determining hardware requirements Configuring client network services Managing storage devices and file systems Establishing security requirements Monitoring and troubleshooting problems Creating procedures and documentation Look to Sybex for the knowledge and skills needed to succeed in today's competitive IT marketplace. This book has been reviewed and approved as CompTIA Authorized Quality Curriculum (CAQC). Students derive a number of important study advantages with CAQC materials, including coverage of all exam objectives, implementation of important instructional design principles, and instructional reviews that help students assess their learning comprehension and readiness for the exam.

A quick start guide to visualize your Elasticsearch data Key Features Your hands-on guide to visualizing the Elasticsearch data as well as navigating the Elastic stack Work with different Kibana plugins and create effective machine learning jobs using Kibana Build effective dashboards and reports without any hassle Book Description The Elastic Stack is growing rapidly and, day by day, additional tools are being added to make it more effective. This book endeavors to explain all the important aspects of Kibana, which is essential for utilizing its full potential. This book covers the core concepts of Kibana, with chapters set out in a coherent manner so that readers can advance their learning in a step-by-step manner. The focus is on a practical approach, thereby enabling the reader to apply those examples in real time for a better understanding of the concepts and to provide them with the correct skills in relation to the tool. With its succinct explanations, it is quite easy for a reader to use this book as a reference guide for learning basic to advanced implementations of Kibana. The practical examples, such as the creation of Kibana dashboards from CSV data, application RDBMS data, system metrics data, log file data, APM agents, and search results, can provide readers with a number of different drop-off points from where they can fetch any type of data into Kibana for the purpose of analysis or dashboarding. What you will learn Explore how Logstash is configured to fetch CSV data Understand how to create index patterns in Kibana Become familiar with how to apply filters on data Discover how to create ML jobs Explore how to analyze APM data from APM agents Get to grips with how to save, share, inspect, and edit visualizations Understand how to find an anomaly in data Who this book is for Kibana 7 Quick Start Guide is for developers new to Kibana who want to learn the fundamentals of using the tool for visualization, as well as existing Elastic developers.

A must-have, hands-on guide for working in the cybersecurityprofession Cybersecurity involves preventative methods to protectinformation from attacks. It requires a thorough understanding ofpotential threats, such as viruses and other malicious code, aswell as system vulnerability and security architecture. Thisessential book addresses cybersecurity strategies that includeidentity management, risk management, and incident management, andalso serves as a detailed guide for anyone looking to enter thesecurity profession. Doubling as the text for a cybersecuritycourse, it is also a useful reference for cybersecurity testing, ITtest/development, and system/network administration. Covers everything from basic network administration securityskills through advanced command line scripting, tool customization,and log analysis skills Dives deeper into such intense topics as wireshark/tcpdumpfiltering, Google hacks, Windows/Linux scripting, Metasploitcommand line, and tool customizations Delves into network administration for Windows, Linux, andVMware Examines penetration testing, cyber investigations, firewallconfiguration, and security tool customization Shares techniques for cybersecurity testing, planning, andreporting Cybersecurity: Managing Systems, Conducting Testing, andInvestigating Intrusions is a comprehensive and authoritativelook at the critical topic of cybersecurity from start tofinish.

In response to requests for instructional and training material from instructors, we prepared this laboratory training guide as a companion book to the Cloud Computing: A Hands-On Approach ("Cloud Book"). This book is designed to serve two purposes. First, it provides a tutorial for the laboratory training that can accompany traditional or online instruction using the Cloud Book. Second, it provides access to the complete source code used in the examples provided in the Cloud Book. The authors hope that this laboratory training guide will continue to prove useful to instructors and students using the Cloud Book.

You are probably a coder, a web developer, a computer science student, or just a geek! You've worked with Windows or Mac for a while, but now it's time to broaden your knowledge and learn about Linux / Unix / *nix. Perhaps you want to build your own Linux web server for the first time? Perhaps you just bought a Raspberry Pi and want to know how to use Linux on it? Perhaps you have a modern Macbook and want to understand what is going on in the Terminal? Linux can be an intimidating subject to learn from scratch. When you've read this guide you will have the fundamental knowledge needed to run a Linux system and you'll be able to appreciate the power of the Unix command line. What you'll learn Unix admin: users, groups, the filesystem, how permissions work Command line kung fu and the Unix tools you need to know How to install software and control running processes Configuring networking and basic security Top tips on how to solve common problems

Welcome to the "PostgreSQL 8.4 Official Documentation - Volume V. Internals and Appendixes"! After many years of development, PostgreSQL has become feature-complete in many areas. This release shows a targeted approach to adding features (e.g., authentication, monitoring, space reuse), and adds capabilities defined in the later SQL standards.

This book covers the Linux Mint 19 release (Tara), focusing on desktops and administrative tools. The emphasis here is on what users will face when using Mint, covering topics like installation, applications, software management, the Mint desktops (Cinnamon, Mate, and Xfce), shell commands, network connections, and system administration tasks. Linux Mint 19 is based on the Ubuntu 18.04 LTR (Long Term Release). The Cinnamon and Mate desktops are examined in detail. Cinnamon and Mate have custom Mint menus to manage access to applications and devices. Advanced components are also examined such as the LightDM Display Manager, PulseAudio sound configuration, and Mint software management applications (Software Manager and Update Manager). The Linux Mint X-Apps are also reviewed, including Xplayer, Xed, and Xviewer. Administration topics include system tools, managing users, file systems, Bluetooth setup, printer configuration, and network folder and file sharing. In addition, configuration of wired and wireless connections, firewalls (the Gufw and FirewallD), and service management using systemd are covered. Shared resources are also examined, including the CUPS printing server, the NFS Linux network file server, and Samba Windows file and printing server.

A step-by-step guide to Fedora and Red Hat Enterprise Linux covers such topics as the shell, networking, system administration, setting up servers, and programming tools.

The Definitive Guide to MongoDB, Third Edition, is updated for MongoDB 3 and includes all of the latest MongoDB features, including the aggregation framework introduced in version 2.2 and hashed indexes

in version 2.4. The Third Edition also now includes Python. MongoDB is the most popular of the "Big Data" NoSQL database technologies, and it's still growing. David Hows from 10gen, along with experienced MongoDB authors Peter Membrey and Eelco Plugge, provide their expertise and experience in teaching you everything you need to know to become a MongoDB pro.

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