

Linux Mint 18 Guide For Beginners

The Most Complete, Easy-to-Follow Guide to Ubuntu Linux “As an in-depth guide to Ubuntu, this book does an exceptional job of covering everything from using the Unity desktop to exploring key server configurations.” –Elizabeth K. Joseph, Systems Administrator & Ubuntu Community Member The #1 Ubuntu resource, fully updated for Ubuntu 14.04 (Trusty Tahr)—the Long Term Support (LTS) release Canonical will support into 2019 Extensive new coverage of installation, security, virtualization, MariaDB, Python Programming, and much more Updated JumpStarts help you set up many complex servers in minutes Hundreds of up-to-date examples, plus four updated indexes deliver fast access to reliable answers Mark Sobell’s A Practical Guide to Ubuntu Linux®, Fourth Edition, is the most thorough and up-to-date reference to installing, configuring, securing, and working with Ubuntu desktops and servers. This edition has been fully updated for Ubuntu 14.04 (Trusty Tahr), a milestone LTS (Long Term Support) release, which Canonical will support on both desktops and servers into 2019. Sobell walks you through every essential feature and technique, from installing Ubuntu to working with the latest Ubuntu Unity desktop, and from configuring servers and monitoring networks to handling day-to-day system administration. His exceptionally clear explanations demystify everything from Apache, Samba, and postfix, to ufw, virtualization, and MariaDB/MySQL database management. PLUS a new chapter on programming in Python, today’s most popular system automation tool! Fully updated JumpStart sections quickly help you get complex servers running—often in minutes. You’ll also find up-to-date guidance on new LPI and CompTIA Linux certification pathways for Linux professionals. Sobell draws on his immense Linux knowledge to explain both the “hows” and the “whys” of Ubuntu. He’s taught hundreds of thousands of readers and never forgets what it’s like to be new to Linux. Whether you’re a user, administrator, or programmer, you’ll find everything you need here—now, and for years to come. The world’s most practical Ubuntu Linux book is now even more useful! This book delivers Completely revamped installation coverage reflecting Ubuntu 14.04’s improved ubiquity (graphical) and debian-installer (textual) installers Updated JumpStarts for quickly setting up Samba, Apache, postfix, FTP, NFS, CUPS, OpenSSH, DNS, and other complex servers Revamped and updated explanations of the ufw, gufw, and iptables firewall tools An all-new chapter on creating VMs (virtual machines) locally and in the cloud New coverage of the MariaDB open source plug-in replacement for MySQL Comprehensive networking coverage, including DNS/BIND, NFS, NIS, FTP, LDAP, and Cacti network monitoring Expert coverage of Internet server configuration and customization, including apache2 (Web) and postfix (mail) A new chapter covering state-of-the-art security techniques, including sudo, cryptography, hash functions, SSL certificates, plus a section on using GPG (GNU Privacy Guard) to protect documents in transit Deep coverage of essential administration tasks—from managing users to CUPS printing, and from configuring LANs and LDAP to building VMs (virtual machines) Complete instructions on keeping systems up to date using apt-get, dpkg, and other tools And much more . . . including a revised 500+ term glossary and four indexes

The CompTIA Linux+ XK0-004 Cert Guide has a single goal: to help students pass the new version of the CompTIA Linux+ exam. The most comprehensive and time-efficient Linux+ study guide available, it's an extraordinarily cost-effective alternative to expensive training: a perfect resource for all Linux+ candidates. Written by long-time Linux trainers, it presents focused, straight-to-the-point coverage of all Linux+ exam topics. From start to finish, it's organized to help students focus their study time where they need the most help to retain more, and earn higher scores. From start to finish, it's organized to help you focus your study time where you need the most help, so you can retain more, and earn higher scores: Pre-chapter "Do I Know This Already" (DIKTA) quizzes help you assess your knowledge of each chapter's content, and decide how much time to spend on each section Foundation Topics sections thoroughly explain concepts and theory, and link them to real-world configurations and commands Key Topics icons flag every figure, table, or list you absolutely must understand and remember Chapter-ending Exam Preparation sections deliver even more exercises and troubleshooting scenarios Two full sample exams offer realistic practice delivered through Pearson's state-of-the-art test prep test engine

Cyber Operations walks you through all the processes to set up, defend, and attack computer networks. This book focuses on networks and real attacks, offers extensive coverage of offensive and defensive techniques, and is supported by a rich collection of exercises and resources. You'll learn how to configure your network from the ground up, starting by setting up your virtual test environment with basics like DNS and active directory, through common network services, and ending with complex web applications involving web servers and backend databases. Key defensive techniques are integrated throughout the exposition. You will develop situational awareness of your network and will build a complete defensive infrastructure—including log servers, network firewalls, web application firewalls, and intrusion detection systems. Of course, you cannot truly understand how to defend a network if you do not know how to attack it, so you will attack your test systems in a variety of ways beginning with elementary attacks against browsers and culminating with a case study of the compromise of a defended e-commerce site. The author, who has coached his university’s cyber defense team three times to the finals of the National Collegiate Cyber Defense Competition, provides a practical, hands-on approach to cyber security.

Includes Gtk#, MonoDevelop, Web services, and IKVM.

While emerging technologies create massive opportunity, especially for investors and companies that seek more adaptable forms of economic growth than currently available, value is held inert by traditional approaches, patents, and other closed systems. Yet, open data, content, and information may be the key to mass innovation for future technologies, although they bring difficult challenges to private-industry models that depend on the established ideas of intellectual property. It is from this foundational observation that OpenXFORM (a blending of the words Open and the engineering abbreviation for Transformation) was developed and is explored and described in this book. The intent of the model design is to synthesize an approach to the process of innovation, inspired by natural systems and human-centric design processes. OpenXFORM describes how an open system of innovation can adapt to the unregulated world of information, data, and content; can decompose its own information to release to the open world; and can discover ways to find the points of synergy among the studied and tested methodologies that put human relationships first. This book presents an explicit innovation process that shows how to move from a breakthrough idea through a process that encourages innovative thinkers to test their assumptions, validate hypotheses, and tune and tweak their ideas, not only to drive solutions for users but also to meet the strategic goals of their companies. The anatomy of innovation through OpenXFORM contains the process for moving ideas from a flight of fancy to an explicit concept that is ready to produce. This step-by-step, highly visual text provides a comprehensive introduction to managing and maintaining computer hardware and software. Written by best-selling author and educator Jean Andrews, A+ Guide to IT Technical Support, 9th Edition closely

integrates the CompTIA+ Exam objectives to prepare you for the 220-901 and 220-902 certification exams. The new Ninth Edition also features extensive updates to reflect current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair and information technology. Each chapter covers both core concepts and advanced topics, organizing material to facilitate practical application and encourage you to learn by doing. The new edition features more coverage of updated hardware, security, virtualization, new coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices.

Supported by a wide range of supplemental resources to enhance learning with Lab Manuals, CourseNotes online labs and the optional MindTap that includes online labs, certification test prep and interactive exercises and activities, this proven text offers students an ideal way to prepare for success as a professional IT support technician and administrator. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Introducing the most complete, compact guide to teaching and learning nursing informatics If you're looking for a clear, streamlined review of nursing informatics fundamentals, Essentials of Nursing Informatics Study Guide is the go-to reference. Drawn from the newly revised 6th Edition of Saba and McCormick's bestselling textbook, Essentials of Nursing Informatics, this indispensable study guide helps instructors sharpen their classroom teaching skills, while offering students an effective self-study and review tool both in and out of the classroom. Each chapter features a concise, easy-to-follow format that solidifies students' understanding of the latest nursing informatics concepts, technologies, policies, and skills. For the nurse educator, the study guide includes teaching tips, class preparation ideas, learning objectives, review questions, and answer explanations—all designed to supplement the authoritative content of the core text. Also included is an online faculty resource to supplement classroom teaching, offering instructors PowerPoints with concise chapter outlines, learning objectives, key words, and explanatory illustrations and tables. To request To request Instructor PowerPoint slides: Visit www.EssentialsofNursingInformatics.com and under the "Downloads and Resources tab," click "Request PowerPoint" to access the PowerPoint request form. Focusing on topics as diverse as data processing and nursing informatics in retail clinics, the nine sections of Essentials of Nursing Informatics Study Guide encompass all areas of nursing informatics theory and practice: Nursing Informatics Technologies System Life Cycle Informatics Theory Standards/Foundations of Nursing Informatics Nursing Informatics Leadership Advanced Nursing Informatics in Practice Nursing Informatics/Complex Applications Educational Applications Research Applications Big Data Initiatives The comprehensive, yet concise coverage of Essentials of Nursing Informatics Study Guide brings together the best nursing informatics applications and perspectives in one exceptional volume. More than any other source, it enables registered nurses to master this vital specialty, so they can contribute to the overall safety, efficiency, and effectiveness of healthcare.

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Design and assemble an inexpensive yet fast and reliable PC Construct the PC of your dreams using the practical information contained in this hands-on guide. Build Your Own PC on a Budget explains, step-by-step, how to put together a customized computer that is affordable, stable, and powerful. Discover how to choose the parts that fit your needs, safely connect and test components, add video and peripherals, install an operating system, connect to the Internet, and go wireless. Security, maintenance, and software updates are fully covered in this DIY book. Look inside a PC and understand how each component works Decide what you want from your PC and develop a design plan Create a cost-effective parts list and select the best vendors Wire up the motherboard, processor, and add-on boards Connect storage devices, display adapters, and peripherals Securely connect to LANs, WiFi networks, and the Internet Install your operating system, device drivers, and applications Maintain your PC, update software, and back up your data

Provides lists of selling prices of items found on eBay in such categories as antiques, boats, books, cameras, coins, collectibles, dolls, DVDs, real estate, stamps, tickets, and video games.

Deep dive into C# and .NET architecture to build efficient, powerful applications About This Book Uniquely structured content to help you understand what goes on under the hood of .NET's managed code platform to master .NET programming Deep dive into C# programming and how the code executes via the CLR Packed with hands-on practical examples, you'll understand how to write applications to make full use of the new features of .NET 4.6, .NET Core and C# 6/7 Who This Book Is For This book was written exclusively for .NET developers. If you've been creating C# applications for your clients, at work or at home, this book will help you develop the skills you need to create modern, powerful, and efficient applications in C#. No knowledge of C# 6/7 or .NET 4.6 is needed to follow along—all the latest features are included to help you start writing cross-platform applications immediately. You will need to be familiar with Visual Studio, though all the new features in Visual Studio 2015 will also be covered. What You Will Learn Understand C# core concepts in depth, from sorting algorithms to the Big O notation Get up to speed with the latest changes in C# 6/7 Interface SQL Server and NoSQL databases with .NET Learn SOLID principles and the most relevant GoF Patterns with practical examples in C# 6.0 Defend C# applications against attacks Use Roslyn, a self-hosted framework to compile and advanced edition in both C# and Visual basic .NET languages Discern LINQ and associated Lambda expressions, generics, and delegates Design a .NET application from the ground up Understand the internals of a .NET assembly Grasp some useful advanced features in optimization and parallelism In Detail Mastering C# and .NET Framework will take you in to the depths of C# 6.0/7.0 and .NET 4.6, so you can understand how the platform works when it runs your code, and how you can use this knowledge to write efficient applications. Take full advantage of the new revolution in .NET development, including open source status and cross-platform capability, and get to grips with the architectural changes of CoreCLR. Start with how the CLR executes code, and discover the niche and advanced aspects of C# programming – from delegates and generics, through to asynchronous programming. Run through new forms of type declarations and assignments, source code callers, static using syntax, auto-property initializers, dictionary initializers, null conditional operators, and many others. Then unlock the true potential of the .NET platform. Learn how to write OWASP-compliant applications, how to properly implement design patterns in C#, and how to follow the general SOLID principles and its implementations in C# code. We finish by focusing on tips and tricks that you'll need to get the most from C# and .NET. This book also covers .NET Core 1.1 concepts as per the latest RTM release in the last chapter. Style

and approach This book uses hands-on practical code examples that will take you into the depths of C# and .NET. Packed with hands-on practical examples, it is great as a tutorial, or as a reference guide.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam success with this CompTIA Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks Practice with realistic exam questions Get practical guidance for next steps and more advanced certifications CompTIA A+ Cert Guide Core 1 (220-1001) and Core 2 (220-1002), Fifth Edition is a best-of-breed exam study guide. Leading IT certification instructor Rick McDonald shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The CompTIA study guide helps you master all the topics on the A+ Core 1 (220-1001) and Core 2 (220-1002) exams, including: Core 1 (220-1001): Mobile devices, networking, hardware, virtualization and cloud computing, and hardware and network troubleshooting Core 2 (220-1002): Operating systems, security, software troubleshooting, and operational procedures Extensive improvements in this edition include: new content on Windows 10, Chrome OS, security, scripting, and remote access; expanded coverage of troubleshooting, operational procedures, laptop teardown, subassembly replacement, and virtualization; new coverage of Linux and macOS troubleshooting; new MacBook coverage; updated coverage of processors, BIOSes (including UEFI); USB 3.1 and USB-Type C; mobile device teardown; hardware upgrades; dealing with prohibited content/activity; Windows features and upgrade paths; and network and cloud computing.

Hands-on IC3 prep, with expert instruction and loads of tools IC3: Internet and Computing Core Certification Global Standard 4 Study Guide is the ideal all-in-one resource for those preparing to take the exam for the internationally-recognized IT computing fundamentals credential. Designed to help candidates pinpoint weak areas while there's still time to brush up, this book provides one hundred percent coverage of the exam objectives for all three modules of the IC3-GS4 exam. Readers will find clear, concise information, hands-on examples, and self-paced exercises that demonstrate how to perform critical tasks. This useful guide includes access to a robust set of learning tools, including chapter review questions, a practice test environment, electronic flashcards, and author videos that explain complex topics. The certification consists of three separate exams: Computing Fundamentals, Key Applications, and Living Online. Candidates are given fifty minutes to answer forty-five questions, so rapid recall and deep understanding are critical to success. IC3: Internet and Computing Core Certification Global Standard 4 Study Guide provides expert instruction on everything candidates need to know, including hardware, software, networking, and more. Review operating system basics and common application features Understand troubleshooting and safe computing Learn basic word processing, spreadsheet, presentation, and database activities Study networking concepts, digital communication, and research fluency The exam includes both multiple choice and performance-based questions, and this guide provides plenty of both so candidates can get comfortable with both material and format. More than just a memorization tool, this book helps exam candidates understand the material on a fundamental level, giving them a greater chance of success than just going it alone. For the IC3 candidate who's serious about certification, IC3: Internet and Computing Core Certification Global Standard 4 Study Guide is the complete, hands-on exam prep guide.

Now with a virtual machine showcasing the book's test system configuration, Linux Administration: A Beginner's Guide, Seventh Edition teaches system administrators how to set-up and configure Linux quickly and easily. Effectively set up and manage any version of Linux on individual servers or entire networks using this practical resource. Fully updated to cover the latest tools and techniques, Linux Administration: A Beginner's Guide, Seventh Edition features clear explanations, step-by-step instructions, and real-world examples. Find out how to configure hardware and software, work from the GUI or command line, maintain Internet and network services, and secure your data. Performance tuning, virtualization, containers, software management, and backup solutions are covered in detail. • Install and configure Linux, including the latest distributions from Fedora, Ubuntu, CentOS, openSUSE, Debian, and RHEL • Manage users, permissions, files, folders, and applications • Set up and administer system services and daemons • Manage software from source code or binary packages • Customize, build, or patch the Linux kernel • Work with physical and virtual file systems, such as proc, SysFS, and cgroup • Understand networking protocols, including TCP/IP, ARP, IPv4, and IPv6 • Build reliable firewalls and routers with Netfilter (iptables and nftables) and Linux • Monitor and test network activity and minimize security threats • Create and maintain DNS, FTP, web, e-mail, print, LDAP, and VoIP servers • Share resources using GlusterFS, NFS, and Samba • Implement popular cloud-based technologies using Linux virtualization and containers using KVM and Docker

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 book is an exploration of Linux Mint, which is a Linux distribution. It has been updated to Linux Mint 18.0, which is the latest version of this Linux distribution. The first part of the book is a guide to Linux Mint. The reader will learn the features and benefits

which one can enjoy when using this kind of operating system, and some of the tasks which they can perform. The book then guides you on how you can install Linux Mint on your system. This includes the initial steps of downloading the ISO image of Linux Mint, and then burning it to the DVD. You will learn how to test the downloaded ISO so as to know whether it has errors or not. The book explains how you can use this operating system from the DVD, what is known as a "live DVD." You will also learn how to install it as the only operating system on your PC or alongside another operating system. The process of managing software and packages in Linux Mint is explored in detail. This involves grouping the software into packages, performing upgrades, and managing other tasks. Linux Mint is discussed in detail, and you will learn the purpose of some of the features you will be seen in the desktop and how to use them. Some of the best tricks in Linux Mint, such as the various ways of copying and pasting text, as well as taking notes using the best applications is discussed, so you will learn how to perform such tasks. The following topics are discussed in this book: -What is Linux Mint? -Installation of Linux Mint -Linux Mint Desktop -Software Management

Linux est le seul système d'exploitation qui est en croissance globalement. Comme l'a dit une personne, «Linux est le Nikola Tesla de la technologie de l'information». Ce système d'exploitation est utilisé dans une multitude d'appareils, notamment les téléphones intelligents, les enregistreurs vidéo numériques, les téléviseurs, les systèmes de divertissement en vol, la signalisation numérique, les systèmes de contrôle automobile, les commutateurs, les routeurs, les ordinateurs de bureau, etc. Le débat entre Microsoft Windows et le système d'exploitation Linux ne se terminera pas de si tôt. Cependant, il est très clair que Linux est en train de gagner. Si vous avez du mal à le croire, considérez l'influence de Linux sur les appareils Apple basés sur Android et UNIX. La seule raison pour laquelle Windows est encore courant est son influence sur de nombreuses applications principales. Ceci est sur le point de changer et Linux est sans aucun doute l'avenir. Microsoft est le roi du End User Computing (EUC) depuis environ 30 ans. Néanmoins, des facteurs tels que des problèmes de sécurité poussent l'EUC vers le centre de données. Pour cette raison, il est souhaitable de réduire les coûts et les risques nécessaires pour maintenir Windows sur le bord. Le système d'exploitation Linux offre la solution parfaite pour cela. Linux est léger et est en couches, ce qui lui permet d'être très performant sur de nombreux types de périphériques. Il offre également une vitesse et une réactivité élevées. Etant donné que Linux présente de nombreux avantages, il est préférable pour les applications de points de terminaison.

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.

The industry favorite Linux guide Linux Bible, 10th Edition is the ultimate hands-on Linux user guide, whether you're a true beginner or a more advanced user navigating recent changes. This updated tenth edition covers the latest versions of Red Hat Enterprise Linux (RHEL 8), Fedora 30, and Ubuntu 18.04 LTS. It includes information on cloud computing, with new guidance on containerization, Ansible automation, and Kubernetes and OpenShift. With a focus on RHEL 8, this new edition teaches techniques for managing storage, users, and security, while emphasizing simplified administrative techniques with Cockpit. Written by a Red Hat expert, this book provides the clear explanations and step-by-step instructions that demystify Linux and bring the new features seamlessly into your workflow. This useful guide assumes a base of little or no Linux knowledge, and takes you step by step through what you need to know to get the job done. Get Linux up and running quickly Master basic operations and tackle more advanced tasks Get up to date on the recent changes to Linux server system management Bring Linux to the cloud using Openstack and Cloudforms Simplified Linux administration through the Cockpit Web Interface Automated Linux Deployment with Ansible Learn to navigate Linux with Amazon (AWS), Google (GCE), and Microsoft Azure Cloud services Linux Bible, 10th Edition is the one resource you need, and provides the hands-on training that gets you on track in a flash.

The Most Useful Tutorial and Reference, with Hundreds of High-Quality Examples for Every Popular Linux Distribution Linux is today's dominant Internet server platform. System administrators and Web developers need deep Linux fluency, including expert knowledge of shells and the command line. This is the only guide with everything you need to achieve that level of Linux mastery. Renowned Linux expert Mark Sobell has brought together comprehensive, insightful guidance on the tools sysadmins, developers, and power users need most, and has created an outstanding day-to-day reference. This title is 100 percent distribution and release agnostic. Packed with hundreds of high-quality, realistic examples, it presents Linux from the ground up: the clearest explanations and most useful information about everything from filesystems to shells, editors to utilities, and programming tools to regular expressions. Use a Mac? You'll find coverage of the Mac OS X command line, including OS X-only tools and utilities other Linux/UNIX titles ignore. Sobell presents a new MySQL chapter. There's even an expert introduction to Python—today's most valuable tool for automating complex, time-consuming administration tasks.

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.

This month: * Ubuntu News * Command & Conquer * How-To : Python, LibreOffice, and Install Linux via PXE. * Graphics : Blender, and Inkscape. * Review: Google Music All Access plus: Q&A, Linux Labs, Ask The New Guy, My Story, and soooo much more!

This step-by-step guide will teach you how to use GeoServer to build custom and interactive maps using your data. About This Book Exploit the power of GeoServer to provide agile, flexible, and low-cost community projects Share real-time maps quickly Boost your map server's performance using the power and flexibility of GeoServer Who This Book Is For If you are a web developer with knowledge of server side scripting, have experience in installing applications on the server, and want to go beyond Google Maps by offering dynamically built maps on your site with your latest geospatial data stored in MySQL, PostGIS, MySQL, or Oracle, this is the book for you. What You Will Learn Install GeoServer quickly Access dynamic real-time geospatial data that you can easily integrate into your own web-based application Create custom styles for lines, points, and polygons for great-looking maps Command GeoServer remotely using REST Tune your GeoServer instance for performance Move GeoServer into production Learn advanced topics to extend GeoServer's capabilities In Detail GeoServer is an open-source server written in Java that allows users to share, process, and edit geospatial data. This book will guide you through the new features and improvements of GeoServer and will help you get started with it. GeoServer Beginner's Guide gives you the impetus to build custom maps using your data without the need for costly commercial software licenses and restrictions. Even if you do not have prior GIS knowledge, you will be able to make interactive maps after reading this book. You will install GeoServer, access your data from a database,

and apply style points, lines, polygons, and labels to impress site visitors with real-time maps. Then you follow a step-by-step guide that installs GeoServer in minutes. You will explore the web-based administrative interface to connect to backend data stores such as PostGIS, and Oracle. Going ahead, you can display your data on web-based interactive maps, use style lines, points, polygons, and embed images to visualize this data for your web visitors. You will walk away from this book with a working application ready for production. After reading GeoServer Beginner's Guide, you will be able to build beautiful custom maps on your website using your geospatial data. Style and approach Step-by-step instructions are included and the needs of a beginner are totally satisfied by the book. The book consists of plenty of examples with accompanying screenshots and code for an easy learning curve.

In dit allereerste boek dat Agatha Christie schreef, is Poirot nog maar net in Engeland aangekomen. Samen met enkele andere Belgische vluchtelingen woont hij in het dorpje Styles St. Mary. Daar wordt zijn hulp ingeroepen door de bewoners van het landgoed Styles, waar een oude dame is vermoord. Poirot, die bij de Belgische politie heeft gewerkt, weet de dader van de moord te ontmaskeren, ondanks tegenstrijdige aanwijzingen.

Linux is the only endpoint OS that is growing globally. As one person put it, "Linux is the Nikola Tesla of information technology". This OS is used in a myriad of devices including smartphones, digital video recorders, televisions, airline entertainment systems, digital signage, automobile control systems, switches, routers, the desktop, among many others. The Microsoft Windows vs Linux OS debate will not end anytime soon. However, it is very clear that Linux is winning. If you have a hard time believing this, consider the influence of Linux on Android and UNIX-based Apple devices. The only reason Windows is still common is because of its influence on many core applications. This is about to change, and Linux is, without a doubt, the future. Microsoft has been the king of End User Computing (EUC) for about 30 years. Nonetheless, there are factors such as security concerns that are pushing EUC to the data center. Due to this, there is a desire to reduce the costs and risks that are required to maintain Windows on the edge. Linux OS offers the perfect solution for this. Linux is layered and lightweight which enables it to perform very well across many types of devices. It also offers high speed and responsiveness. Because Linux has so many inherent advantages, it is preferred for endpoint applications.

A taskoriented look at Linux Mint, using actual realworld examples to stimulate learning. Each topic is presented in an easytofollow order, with hands on activities to reinforce the content. If you are starting out with Linux from a different platform or are well versed with Linux Mint and want a guide that shows you how to exploit certain functionality, this book is for you. No previous Linux experience is assumed.

Linux Mint 18Guide for BeginnersCreatespace Independent Publishing Platform

Explore the tools and techniques to build scalable and secured RESTful web services and web applications using C# 8 and ASP.NET Core 3.1 Key Features Delve into MVC patterns, configuration, routing, and deployment to build professional-grade applications Learn how to integrate ASP applications with the JavaScript frameworks React, Vue, and Angular Improve the performance of applications and the development team by implementing advanced ASP.NET Core concepts Book Description ASP.NET has been the preferred choice of web developers for a long time. With ASP.NET Core 3, Microsoft has made internal changes to the framework along with introducing new additions that will change the way you approach web development. This second edition has been thoroughly updated to help you make the most of the latest features in the framework, right from gRPC and conventions to Blazor, which has a new chapter dedicated to it. You'll begin with an overview of the essential topics, exploring the Model-View-Controller (MVC) pattern, various platforms, dependencies, and frameworks. Next, you'll learn how to set up and configure the MVC environment, before delving into advanced routing options. As you advance, you'll get to grips with controllers and actions to process requests, and later understand how to create HTML inputs for models. Moving on, you'll discover the essential aspects of syntax and processes when working with Razor. You'll also get up to speed with client-side development and explore the testing, logging, scalability, and security aspects of ASP.NET Core. Finally, you'll learn how to deploy ASP.NET Core to several environments, such as Azure, Amazon Web Services (AWS), and Docker. By the end of the book, you'll be well versed in development in ASP.NET Core and will have a deep understanding of how to interact with the framework and work cross-platform. What you will learn Understand the new capabilities of ASP.NET Core 3.1 Become well versed in how to configure ASP.NET Core to use it to its full potential Create controllers and action methods, and understand how to maintain state Implement and validate forms and retrieve information from them Improve productivity by enforcing reuse, process forms, and effective security measures Delve into the new Blazor development model Deploy ASP.NET Core applications to new environments, such as Microsoft Azure, AWS, and Docker Who this book is for If you are a developer with basic knowledge of ASP.NET MVC and want to build powerful applications, then this book is for you. Developers who want to explore the latest changes in ASP.NET Core 3.1 to build professional-level applications will also find this book useful. Familiarity with C#, ASP.NET Core, HTML, and CSS is expected to get the most out of this book.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CompTIA IT Fundamentals FC0-U61 exam success with this CompTIA Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master CompTIA IT Fundamentals FC0-U61 exam topics Assess your knowledge with practice questions Review key concepts with exam preparation tasks Practice with realistic exam questions Get practical guidance for next steps and more advanced certifications CompTIA IT Fundamentals Cert Guide is a best-of-breed exam study guide. Leading IT certification expert Mark Edward Soper shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The CompTIA study guide helps you master all the topics on the IT Fundamentals exam, including: IT concepts and terminology, including data types, input, processing, output, storage, the value of data and information, and basic troubleshooting methods Infrastructure, including I/O hardware, peripheral setup/installation, internal computer components, Internet service types, storage types, computing devices, and networking Applications and software, including software management, operating system components, software types and uses, application architecture and delivery models, web browser configuration, application

concepts, and best practices Software development concepts, including types of programming languages, programming organization techniques and logic, and basic programming concepts Database concepts, purposes, structures, and interfaces Security issues, including confidentiality, integrity, and availability; device security; behavioral security; authentication and authorization; password best practices; encryption; and business continuity concepts

Linux Mint 19.2 (Tina) 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, 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.

The Most Useful Tutorial and Reference, with Hundreds of High-Quality Examples for Every Popular Linux Distribution “First Sobell taught people how to use Linux . . . now he teaches you the power of Linux. A must-have book for anyone who wants to take Linux to the next level.” –Jon “maddog” Hall, Executive Director, Linux International Discover the Power of Linux—Covers macOS, too! Learn from hundreds of realistic, high-quality examples, and become a true command-line guru Covers MariaDB, DNF, and Python 3 300+ page reference section covers 102 utilities, including macOS commands For use with all popular versions of Linux, including Ubuntu,[™] Fedora,[™] openSUSE,[™] Red Hat,[®] Debian, Mageia, Mint, Arch, CentOS, and macOS Linux is today’s dominant Internet server platform. System administrators and Web developers need deep Linux fluency, including expert knowledge of shells and the command line. This is the only guide with everything you need to achieve that level of Linux mastery. Renowned Linux expert Mark Sobell has brought together comprehensive, insightful guidance on the tools sysadmins, developers, and power users need most, and has created an outstanding day-to-day reference, updated with assistance from new coauthor Matthew Helmke. This title is 100 percent distribution and release agnostic. Packed with hundreds of high-quality, realistic examples, it presents Linux from the ground up: the clearest explanations and most useful information about everything from filesystems to shells, editors to utilities, and programming tools to regular expressions. Use a Mac? You’ll find coverage of the macOS command line, including macOS-only tools and utilities that other Linux/UNIX titles ignore. A Practical Guide to Linux[®] Commands, Editors, and Shell Programming, Fourth Edition, is the only guide to deliver A MariaDB chapter to get you started with this ubiquitous relational database management system (RDBMS) A masterful introduction to Python for system administrators and power users In-depth coverage of the bash and tcsh shells, including a complete discussion of environment, inheritance, and process locality, plus coverage of basic and advanced shell programming Practical explanations of core utilities, from aspell to xargs, including printf and sshfs/curlftpfs, PLUS macOS–specific utilities from ditto to SetFile Expert guidance on automating remote backups using 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, including step values, sequence expressions, the eval builtin, and implicit command-line continuation High-productivity editing techniques using vim and emacs A comprehensive, 300-plus-page command reference section covering 102 utilities, including find, grep, sort, and tar Instructions for updating systems using apt-get and dnf And much more, including coverage of BitTorrent, gawk, sed, find, sort, bzip2, and regular expressions

“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 A resource to help forensic investigators locate, analyze, and understand digital evidence found on modern Linux systems after a crime, security incident or cyber attack. Practical Linux Forensics dives into the technical details of analyzing postmortem forensic images of Linux systems which have been misused, abused, or the target of malicious attacks. It helps forensic investigators

locate and analyze digital evidence found on Linux desktops, servers, and IoT devices. Throughout the book, you learn how to identify digital artifacts which may be of interest to an investigation, draw logical conclusions, and reconstruct past activity from incidents. You'll learn how Linux works from a digital forensics and investigation perspective, and how to interpret evidence from Linux environments. The techniques shown are intended to be independent of the forensic analysis platforms and tools used. Learn how to:

- Extract evidence from storage devices and analyze partition tables, volume managers, popular Linux filesystems (Ext4, Btrfs, and Xfs), and encryption
- Investigate evidence from Linux logs, including traditional syslog, the systemd journal, kernel and audit logs, and logs from daemons and applications
- Reconstruct the Linux startup process, from boot loaders (UEFI and Grub) and kernel initialization, to systemd unit files and targets leading up to a graphical login
- Perform analysis of power, temperature, and the physical environment of a Linux machine, and find evidence of sleep, hibernation, shutdowns, reboots, and crashes
- Examine installed software, including distro installers, package formats, and package management systems from Debian, Fedora, SUSE, Arch, and other distros
- Perform analysis of time and Locale settings, internationalization including language and keyboard settings, and geolocation on a Linux system
- Reconstruct user login sessions (shell, X11 and Wayland), desktops (Gnome, KDE, and others) and analyze keyrings, wallets, trash cans, clipboards, thumbnails, recent files and other desktop artifacts
- Analyze network configuration, including interfaces, addresses, network managers, DNS, wireless artifacts (Wi-Fi, Bluetooth, WWAN), VPNs (including WireGuard), firewalls, and proxy settings
- Identify traces of attached peripheral devices (PCI, USB, Thunderbolt, Bluetooth) including external storage, cameras, and mobiles, and reconstruct printing and scanning activity

"For use with all popular versions of Linux, including Ubuntu, Fedora, openSUSE, Red Hat, Debian, Mageia, Mint, Arch, CentOS, and macOS."--Amazon.com.

MongoDB has grown to become the de facto NoSQL database with millions of users, from small start-ups to Fortune 500 companies. It can solve problems that are considered difficult, if not impossible, for aging RDBMS technologies. Written for version 4 of MongoDB, this book is the easiest way to get started with MongoDB.

LPIC-1/CompTIA Linux+ Certification All-in-One Exam Guide, Exams LPIC-1/LXO-101 & LXO-102 Get complete coverage of all the objectives included on the LPIC-1 and CompTIA LXO-101 and LXO-102 exams inside this comprehensive resource. Written by a Linux expert and technology trainer, LPIC-1/CompTIA Linux+ Certification All-in-One Exam Guide includes learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass all three exams with ease, this comprehensive guide also serves as an essential on-the-job reference. **COVERS ALL EXAM TOPICS, INCLUDING HOW TO:** Work with the Linux shell Use the vi text editor Manage Linux files and directories Install Linux and manage the boot process Configure the graphical environment Manage software and hardware Manage users, groups, file systems, and processes Administer ownership, permissions, and quotas Write shell scripts Manage network settings and services Secure Linux and use encryption **CD-ROM FEATURES:** 150+ practice exam questions PDF copy of the book 50+ video training clips from the author Robb Tracy, CNE, CompTIA A+, CompTIA Network+, CompTIA Linux+, has designed and implemented technical training products and curricula for major hardware and software vendors, including Novell, Micron Technology, and Messaging Architects, Inc. He has also served on industry-wide certification committees and is a cofounder of Nebo Technical Institute, Inc., a leading provider of information technology training and consulting. Robb is the author of CompTIA Linux+ Certification Study Guide and other books.

The long awaited update to the practitioner's guide to GNU Autoconf, Automake, and Libtool The GNU Autotools make it easy for developers to create software that is portable across many Unix-like operating systems, and even Windows. Although the Autotools are used by thousands of open source software packages, they have a notoriously steep learning curve. Autotools is the first book to offer programmers a tutorial-based guide to the GNU build system. Author John Calcote begins with an overview of high-level concepts and a hands-on tour of the philosophy and design of the Autotools. He then tackles more advanced details, like using the M4 macro processor with Autoconf, extending the framework provided by Automake, and building Java and C# sources. He concludes with solutions to frequent problems encountered by Autotools users. This thoroughly revised second edition has been updated to cover the latest versions of the Autotools. It includes five new chapters on topics like pkg-config, unit and integration testing with Autotest, internationalizing with GNU tools, the portability of gnuilib, and using the Autotools with Windows. As with the first edition, you'll focus on two projects: Jupiter, a simple "Hello, world!" program, and FLAIM, an existing, complex open source effort containing four separate but interdependent projects. Follow along as the author takes Jupiter's build system from a basic makefile to a full-fledged Autotools project, and then as he converts the FLAIM projects from complex, hand-coded makefiles to the powerful and flexible GNU build system. Learn how to:

- Master the Autotools build system to maximize your software's portability
- Generate Autoconf configuration scripts to simplify the compilation process
- Produce portable makefiles with Automake
- Build cross-platform software libraries with Libtool
- Write your own Autoconf macros

This detailed introduction to the GNU Autotools is indispensable for developers and programmers looking to gain a deeper understanding of this complex suite of tools. Stop fighting against the system and make sense of it all with the second edition of Autotools!

Open-Source Lab: How to Build Your Own Hardware and Reduce Scientific Research Costs details the development of the free and open-source hardware revolution. The combination of open-source 3D printing and microcontrollers running on free software enables scientists, engineers, and lab personnel in every discipline to develop powerful research tools at unprecedented low costs. After reading Open-Source Lab, you will be able to:

- Lower equipment costs by making your own hardware
- Build open-source hardware for scientific research
- Actively participate in a community in which scientific results are more easily replicated and cited
- Numerous examples of technologies and the open-source user and developer communities that support them
- Instructions on how to take advantage of digital design sharing
- Explanations of Arduinos and RepRaps for scientific use
- A detailed guide to open-source hardware licenses and basic principles of intellectual property

Get up-to-date with the finer points of Ubuntu Server using this comprehensive guide **Key Features** A practical easy-to-understand book that will teach you how to deploy, maintain and troubleshoot Ubuntu Server Get well-versed with newly-added features in Ubuntu 18.04. Learn to manage cutting-edge technologies such as virtualization, containers, Nextcloud and more **Book Description** Ubuntu Server has taken the data centers by storm. Whether you're deploying Ubuntu for a large-scale project or for a small office, it is a stable, customizable, and powerful Linux distribution that leads the way with innovative and cutting-edge features. For both simple and complex server deployments, Ubuntu's flexible nature can be easily adapted to meet to the needs of your organization. With this book as your guide, you will learn all about Ubuntu Server, from initial deployment to creating

production-ready resources for your network. The book begins with the concept of user management, group management, and filesystem permissions. Continuing into managing storage volumes, you will learn how to format storage devices, utilize logical volume management, and monitor disk usage. Later, you will learn how to virtualize hosts and applications, which will cover setting up KVM/QEMU, as well as containerization with both Docker and LXD. As the book continues, you will learn how to automate configuration with Ansible, as well as take a look at writing scripts. Lastly, you will explore best practices and troubleshooting techniques when working with Ubuntu Server that are applicable to real-world scenarios. By the end of the book, you will be an expert Ubuntu Server administrator who is well-versed in its advanced concepts. What you will learn Manage users, groups, and permissions Encrypt and decrypt disks with Linux Unified Key Setup (LUKS) Set up SSH for remote access, and connect it to other nodes Add, remove, and search for packages Use NFS and Samba to share directories with other users Get to know techniques for managing Apache and MariaDB Explore best practices and troubleshooting techniques Get familiar with scripting Automate server deployments with Ansible Who this book is for This book is intended for readers with intermediate or advanced-beginner skills with Linux, who would like to learn all about setting up servers with Ubuntu Server. This book assumes that the reader knows the basics of Linux, such as editing configuration files and running basic commands.

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.

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