

Linux Mint 12 Documentation

Pro Freeware and Open Source Solutions for Business is a practical guide for the small business owner seeking viable alternative to expensive commercial software packages and subscriptions. This comprehensive look at the powerful alternatives to expensive proprietary software provides an illustrated overview of no-cost software solutions for office productivity, PDF creation, accounting, image editing and graphic design, desktop publishing, 3D design, CAD, audio and video editing, website and blog creation, customer relationship management, point of sale, networking and security, and alternatives to the Windows and Macintosh operating systems. This guide helps you to explore the free and powerful alternatives that exist. You can save a substantial sums of money by replacing just a few commercial software titles with free and open source solutions. Learn how with Pro Freeware and Open Source Solutions for Business today.

A task-oriented look at Linux Mint, using actual real-world examples to stimulate learning. Each topic is presented in an easy-to-follow 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 your experience is assumed.

For system administrators, programmers, and end users, shell command or carefully crafted shell script can save you time and effort, or facilitate consistency and repeatability for a variety of common tasks. This cookbook provides more than 300 practical recipes for using bash, the popular Unix shell that enables you to harness and customize and experienced users alike—including proficient Windows users and sysadmins—this updated second edition helps you solve a wide range of problems. You'll learn ways to handle input/output, file manipulation, program execution, administrative tasks, and many other challenges. Each recipe includes one or more scripting examples and a list of problems including: Standard output and input, and executing commands Shell variables, shell logic, and arithmetic Intermediate shell tools and advanced scripting Searching for files with find, locate, and slocate Working with dates and times Creating shell scripts for various end-user tasks Working with tasks that require parsing Writing bash

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 skills in Linux scripting, security, users and permissions, and much more. Clear, concise chapters providing 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 about 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 Linux

Linux Mint 19: Desktops and Administration Information Systems and Technologies Exploring Advanced Features in C# Linux Mint 20.2

A Practical Guide to Ubuntu Linux Linux Bible

Your step-by-step guide to the latest in Linux Nine previous editions of this popular benchmark guide can 't be wrong! Whether you 're new to Linux and need a step-by-step guide or are a pro who wants to catch up with recent distributions, Linux For Dummies, 10th Edition has your back. Covering everything from installation to automation, this updated edition focuses on openSUSE and Ubuntu and includes new and refreshed material—as well as chapters on building a web server and creating simple shell scripts. In his friendly, no-jargon style, IT professional and tech higher education instructor Richard Blum draws on more than 10 years of teaching to show you just why Linux 's open source operating systems are relied on to run a huge proportion of the world 's online infrastructure, servers, supercomputers, and NAS devices—and how you can master them too. Study the thinking behind Linux Choose the right installation approach Pick up the basics—from prepping to desktops Get fancy with music, video, movies, and games Whatever your Linux needs—work, fun, or just a hobby—this bestselling, evergreen guide will get you up and coding in the open source revolution in no time at all.

Ubuntu is a free operating system that emphasises community support and ease of use. This guide teaches you how to install and customise Ubuntu for your home or small business. Its open source power can be used in schools, government, or by companies, and is suitable for both desktop and server use

This book covers the Linux Mint 18.2 release (Sonya), 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, KDE, and Xfce), shell commands, network connections, and system administration tasks. Linux Mint 18.2 is based on the Ubuntu 18.04 LTR (Long Term Release). The Cinnamon, Mate, and Linux Mint KDE 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 new 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. This ebook version is epub3 and edupub (EPUB for Education) compliant (version 3.0.1, epubcheck 4.0.2) with pagelist, sections, index list, and tocs.

Turn futuristic ideas about computer vision and machine learning into demonstrations that are both functional and entertaining Key FeaturesBuild OpenCV 4 apps with Python 2 and 3 on desktops and Raspberry Pi, Java on Android, and C# in UnityDetect, classify, recognize, and measure real-world objects in real-timeWork with images from diverse sources, including the web, research datasets, and various camerasBook Description OpenCV 4 is a collection of image processing functions and computer vision algorithms. It is open source, supports many programming languages and platforms, and is fast enough for many real-time applications. With this handy library, you 'll be able to build a variety of impressive gadgets. OpenCV 4 for Secret Agents features a broad selection of projects based on computer vision, machine learning, and several application frameworks. To enable you to build apps for diverse desktop systems and Raspberry Pi, the book supports multiple Python versions, from 2.7 to 3.7. For Android app development, the book also supports Java in Android Studio, and C# in the Unity game engine. Taking inspiration from the world of James Bond, this book will add a touch of adventure and computer vision to your daily routine. You 'll be able to protect your home and car with intelligent camera systems that analyze obstacles, people, and even cats. In addition to this, you 'll also learn how to train a search engine to praise or criticize the images that it finds, and build a mobile app that speaks to you and responds to your body language. By the end of this book, you will be equipped with the knowledge you need to advance your skills as an app developer and a computer vision specialist. What you will learnDetect motion and recognize gestures to control a smartphone gameDetect car headlights and estimate their distanceDetect and recognize human and cat faces to trigger an alarmAmplify motion in a real-time video to show heartbeats and breathsMake a physics simulation that detects shapes in a real-world drawingBuild OpenCV 4 projects in Python 3 for desktops and Raspberry PiDevelop OpenCV 4 Android applications in Android Studio and UnityWho this book is for If you are an experienced software developer who is new to computer vision or machine learning, and wants to study these topics through creative projects, then this book is for you. The book will also help existing OpenCV users who want upgrade their projects to OpenCV 4 and new versions of

A Developer's Notebook

Use OpenCV 4 in secret projects to classify cats, reveal the unseen, and react to rogue drivers, 2nd Edition

The Linux Mint Beginner's Guide - Second Edition

LPI Linux Essentials Study Guide

Enhance Your Code and Productivity

Linux Mint 19.2: Desktops and Administration

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 book introduces information technology topics foundational to many services offered in libraries and information centers. Written by a librarian with extensive experience as a technology specialist in libraries the book clearly explains concepts information technology principles with an eye toward their practical applications in libraries.

Covers the basic concepts of the computer operating system and discusses such topics as using directories, working with a shell, controlling ownership, running scripts, and working with encoded files.

Now in its seventh edition, Linux in easy steps explains the Linux environment and how to get more out of this stable, as well as free, operating system. You'll be able to download, install and customize Linux, and master the key Linux apps, including: The LibreOffice suite; Writer (word processor), Calc (spreadsheet), Impress (presentation), Draw (drawing tool), and Base (database). Firefox for browsing the web. Thunderbird for exchanging emails. GIMP, PeX, Celluloid, Hypnotix, and Rhythmbox media apps to edit photos and videos and to enjoy music and movies. The final chapters show how to use the powerful Linux shell to communicate directly with the kernel at the very heart of Linux for total control. This guide will open the door to the whole new world of digital possibilities using Linux. Ideal for Linux newbies! Table of Contents 1. Getting started 2.

Exploring the Desktop 3. Setting Preferences 4. Touring the File System 5. Engaging the Internet 6. Producing with Office 7. Enjoying Media 8. Using Accessories 9. Commanding the Terminal 10. Performing Operations

The Linux Command Line

How to Run Android™ Apps in Chrome™ Browser

Exam 010 v1.6

An Easy-to-Follow Comprehensive Step-by-Step Book

Concept and Programming

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.

This book aims at providing a thorough understanding of the essentials and the workings of Linux Operating System (OS). It explores the technicalities of this free and open source OS so as to enable readers to harness the full power of Linux. The text gives a methodical insight into Linux. Beginning with an introduction to Linux, the book discusses its salient features, different stages of its development, its basic operations and installation steps, and then describes the desktop environments, file management, administration, and basic Linux commands. In addition, chapters are written on different applications of Linux such as graphics, audio/video, gaming and internet, along with their usage details. Presented in a simple and engaging style, the book is ideal for all computer courses covering the fundamentals of the Linux Operating System, or where Linux forms the core subject. It is ideally suited for self-learning by beginners who can acquire skills in Linux OS in their own desktop environment at home. KEY FEATURES : 1. Gives a comprehensive understanding and working details of Linux. 2. Devotes exclusive chapters on Gimp Image Editor and OpenOffice.org Applications. 3. Provides step-by-step instructions on essential applications used in Linux to help gain hands-on

experience. Become a more productive programmer by leveraging the newest features available to you in C#. This book highlights the new language features available to you and how to use these and other tools such as Bootstrap, SCSS, and jQuery to enhance your web applications. Exploring Advanced Features in C# starts with some of the new features of C# 7 such as how to implement local functions, tuples and generalized async return types. The book also looks at C# 8, where the author demonstrates how to implement nullable reference types, recursive patterns, ranges, indices, switch expressions, and many more. Next, you go through some of the distinct features of C# that might often be overlooked such as generics, asynchronous programming, and dynamic types. The author demonstrates how to implement these features through clear and concise examples. Next, you'll discuss creating responsive web applications using ASP.NET Model View Controller (MVC) where you'll learn how to combine Bootstrap with jQuery and SCSS to create interactive web applications with a great-looking, user-friendly UI. Moving forward, you will create and run applications on the latest .NET Core version 3.0 as well as explore some of the features of .NET Core 3.0. Finally, you will go through the tips and tricks of Visual Studio 2019 that make you more productive. After reading the book, you will be able to implement new features available in C# and learn how to enhance your application development using ASP.NET MVC and .NET Core. What You Will LearnImplement the new features available in C# 7 Enhance your web applications using ASP.NET MVC, Bootstrap, SCSS, and jQuery See what C# 8 has to offer with clear code examples Create and run applications in .NET Core 3.0 Who This Is Book For C# programmers who have worked with C# for a number of years and who want to keep up to date with the latest advancements of the language

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.

Bash Cookbook

Cybersecurity

The Textbook, Second Edition

The Linux Command Line Beginner's Guide

Linux Mint Essentials

Mono

If you are a system administrator who manages multiple servers, then you know how difficult it is to keep your infrastructure in line. If you've been searching for an easier way, this book is for you. No prior experience with SaltStack is required. More than 50 percent new and revised content for today's Linux environment gets you up and running in no time! Linux continues to be an excellent, low-cost alternative to expensive operating systems. Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today. Offers a complete restructure, complete with exercises, to make the book a better learning tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system at home or curious to learn how to manage Linux

server systems at work

You've experienced the shiny, point-and-click surface of your Linux computer—now dive below and explore its depths with the power of the command line. The Linux Command Line takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: Create and delete files, directories, and symlinks * Administer your system, including networking, package installation, and process management * Use standard input and output, redirection, and pipelines * Edit files with Vi, the world's most popular text editor * Write shell scripts to automate common or boring tasks * Slice and dice text files with cut, paste, grep, patch, and sed Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

Linux Mint 20 (Ulyana) 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.

Linux Yourself

Debian Jessie From Discovery To Mastery

WorldCIST 2022, Volume 2

The Official Ubuntu Book

Desktop Linux

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Mastering GNOME helps the reader master the GNOME desktop environment for a faster and more robust computing experience. The best thing about Linux is the plethora of choices that users tend to get. Whether it pertains to the kernel modules, or to the desktop environments, there is no shortage of options. Speaking of desktop environments, GNOME stands tall as one of the leading options. GNOME is an open source, free to use, simple, and attractive workspace interface supporting almost all the major Linux operating systems. GNOME includes a beautiful collection of programs, libraries, plugins, and probably millions of themes (some of which you may need to install manually). In fact, one of the most exemplary aspects of GNOME is GNOME Boxes, which allows you to construct virtual networks of multiple Linux operating systems without having to visit the website or download an iOS file, and it runs perfectly well via virtualization on KVM, which is the icing on the cake. But that is not all – GNOME is, arguably, the single most stable and dependable Linux desktop environment available today! GNOME has become one of the most effective, secure, and trustworthy desktops offered for the Linux platform, and that is the primary reason why it is the desktop environment of choice for Ubuntu, the world's most popular Linux distro. Regardless of skillset, users can quickly get up to speed with GNOME for everyday usage. This is where Mastering GNOME comes in. With Mastering GNOME, using GNOME for day-to-day computing becomes quite straightforward, which will help readers undoubtedly boost their productivity. The Mastering Computer Science series is edited by Sufyan bin Uzayy, a writer and educator with over a decade of experience in the computing field.

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Linux and Linux

Desktops and Administration

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Solutions and Examples for Bash Users

Learn Linux, and take your career to the next level! Linux Essentials, 2nd Edition provides a solid foundation of knowledge for anyone considering a career in information technology, for anyone new to the Linux operating system, and for anyone who is preparing to sit for the Linux Essentials Exam. Through this engaging resource, you can access key information in a clear and end-of-chapter exercises and review questions lead you in both learning and applying new information—information that will help you achieve your goals! With the experience provided in this compelling reference, you can sit down for the Linux Essentials Exam with confidence. An open source operating system, Linux is a UNIX-based platform that is freely updated and development means that Linux is a low-cost and secure alternative to other operating systems, and is used in many different IT environments. Passing the Linux Essentials Exam prepares you to apply your knowledge regarding this operating system within the workforce. Access lessons that are organized by task, allowing you to quickly identify the topics you are looking for. Information presented by the book discover the basics of the Linux operating system, including distributions, types of open source applications, freeware, licensing, operations, navigation, and more Explore command functions, including navigating the command line, turning commands into scripts, and more Identify and create user types, users, and groups Linux Essentials anyone starting a career in IT or anyone new to the Linux operating system.

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 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.

Linux Mint 20 (Ulyana) 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.

Linux Yourself

Debian Jessie From Discovery To Mastery

WorldCIST 2022, Volume 2

The Official Ubuntu Book

Desktop Linux

The Debian Administrator's Handbook, Debian Jessie from Discovery to Mastery

Mastering GNOME helps the reader master the GNOME desktop environment for a faster and more robust computing experience. The best thing about Linux is the plethora of choices that users tend to get. Whether it pertains to the kernel modules, or to the desktop environments, there is no shortage of options. Speaking of desktop environments, GNOME stands tall as one of the leading options. GNOME is an open source, free to use, simple, and attractive workspace interface supporting almost all the major Linux operating systems. GNOME includes a beautiful collection of programs, libraries, plugins, and probably millions of themes (some of which you may need to install manually). In fact, one of the most exemplary aspects of GNOME is GNOME Boxes, which allows you to construct virtual networks of multiple Linux operating systems without having to visit the website or download an iOS file, and it runs perfectly well via virtualization on KVM, which is the icing on the cake. But that is not all – GNOME is, arguably, the single most stable and dependable Linux desktop environment available today! GNOME has become one of the most effective, secure, and trustworthy desktops offered for the Linux platform, and that is the primary reason why it is the desktop environment of choice for Ubuntu, the world's most popular Linux distro. Regardless of skillset, users can quickly get up to speed with GNOME for everyday usage. This is where Mastering GNOME comes in. With Mastering GNOME, using GNOME for day-to-day computing becomes quite straightforward, which will help readers undoubtedly boost their productivity. The Mastering Computer Science series is edited by Sufyan bin Uzayy, a writer and educator with over a decade of experience in the computing field.

Includes GIMP, MonoDevelop, Web Services, and IVM.

Answers to all the questions 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 the installation and the update of the system, up to the creation of packages and the compilation of the kernel, but also monitoring, backup and migration, without forgetting advanced topics like SELinux setup to secure services, automated installations, or virtualization with Xen, KVM or LXC. Learn more about the book on http://debian-handbook.info