Ubuntu Linux Guida Rapida

“As an author, editor, and publisher, I never paid much attention to the competition—except in a few cases. This is one of those cases. The UNIX System Administration Handbook is one of the few books we ever measured ourselves against.” —Tim O’Reilly, founder of O’Reilly Media “This edition is for those whose systems live in the cloud or in virtualized data centers; those whose administrative work largely takes the form of automation and configuration source code; those who collaborate closely with developers, network engineers, compliance officers, and all the other worker bees who inhabit the modern hive.” —Paul Vixie, Internet Hall of Fame-recognized innovator and founder of ISC and Farsight Security “This book is fun and functional as a desktop reference. If you use UNIX and Linux systems, you need this book in your short-reach library. It covers a bit of the systems’ history but doesn’t bloviate. It’s just straight-forward information delivered in a colorful and memorable fashion.” —Jason A. Nunnelley UNIX® and Linux® System Administration Handbook, Fifth Edition, is today’s definitive guide to installing, configuring, and maintaining any UNIX or Linux system, including systems that supply core Internet and cloud infrastructure. Updated for new distributions and cloud environments, this comprehensive guide covers best practices for every facet of system administration, including storage management, network design and administration, security, web hosting, automation, configuration management, performance analysis, virtualization, DNS, security, and the management of IT service organizations. The authors—world-class, hands-on technologists—offer indispensable new coverage of cloud platforms, the DevOps philosophy, continuous deployment, containerization, monitoring, and many other essential topics. Whatever your role in running systems and networks built on UNIX or Linux, this conversational, well-written ¿guide will improve your efficiency and help solve your knottiest problems.

Python è un linguaggio di programmazione noto per una sintassi essenziale e per il suo utilizzo nello sviluppo di applicazioni molto complesse, tra cui numerose applicazioni web di successo - per le quali è spesso preferito a PHP, con cui però ha in comune la caratteristica di avere un'ampia disponibilità di librerie. Questa nuova edizione - aggiornata alla versione 3 di Python - introduce gli utenti Windows, Mac e Unix all'utilizzo di Python, partendo dai concetti fondamentali per poi passare alla pratica con esemplificazioni di complessità crescente.

Quickly learn how to use Ubuntu, the fastest growing Linux distribution, in a personal or enterprise environment Whether you’re a newcomer to Linux or an experienced system administrator, the Ubuntu Linux Bible provides what you need to get the most out of one the world’s top Linux distributions. Clear, step-by-step instructions cover everything from installing Ubuntu and creating your desktop, to writing shell scripts and setting up file sharing on your network. This up-to-date guide covers the latest Ubuntu release with long-term support (version 20.04) as well as the previous version. Throughout the book, numerous examples, figures, and review questions with answers ensure that you will fully understand each key topic. Organized into four parts, the book offers you the flexibility to master the basics in the "Getting Started with Ubuntu Linux” section, or to skip directly to more advanced tasks. "Ubuntu for Desktop Users” shows you how to setup email, surf the web, play games, and create and publish documents, spreadsheets, and presentations. “Ubuntu for System Administrators" covers user administration, system backup, device management, network configuration, and other fundamentals of Linux administration. The book’s final section, "Configuring Servers on Ubuntu," teaches you to use Ubuntu to support network servers for the web, e-mail, print services, networked file sharing, DHCP (network address management), and DNS (network name/address resolution). This comprehensive, easy-to-use guide will help you: Install Ubuntu and create the perfect Linux desktop Use the wide variety of software included with Ubuntu Linux Stay up to date on recent changes and new versions of Ubuntu Create and edit graphics, and work with consumer IoT electronic devices Add printers, disks, and other devices to your system Configure core network services and administer Ubuntu systems Ubuntu Linux Bible is a must-have for anyone looking for an accessible, step-by-step tutorial on this hugely popular Linux operating system.

Presents an introduction to the open-source electronics prototyping platform.

Linux Pocket Guide

The Hitchhiker's Guide to Python

Best Practices for Development

Corso passo passo per muovere i primi passi su Linux. Con Esercizi e Soluzioni (in Italiano)

How Linux Works, 2nd Edition

Pro Git

Linux non è più solo per esperti e per l’uso su server. Negli ultimi anni si è affermato anche in postazioni PC di non esperti, per la grande compatibilità hardware e perché installabile e gestibile anche solo in modalità grafica o quasi. E non c’è solo Ubuntu. Tra le più popolari “distro” GNU/Linux degli ultimi anni, Linux Mint è spesso consigliato ad utenti alle prime armi, che vorrebbero lasciare Windows. Di cui rappresenta una valida alternativa gratuita e open-source. Leggera, pronta all'uso con programmi preinstallati di ogni genere, integrabili con migliaia di software open-source di qualità. Scarica e usa Linux Mint da USB, per verificare che tutto funzioni, ancora prima di installarlo! Aggiornamenti garantiti 5 anni per ogni versione. Nessun tracciamento di attività, niente pubblicità né acquisti, ragionevolmente sicuro. Un PC con almeno 4 GB di RAM rispetto all'uso con Windows, sembrerà rinato.

One of the fastest ways to learn Linux is with this perennial favorite Eight previous top-selling editions of Linux For Dummies can't be wrong. If you've been wanting to migrate to Linux, this book is the best way to get there. Written in easy-to-follow, everyday terms, Linux For Dummies 9th Edition gets you started by concentrating on two distributions of Linux that beginners love: the Ubuntu LiveCD distribution and the gOS Linux distribution, which comes pre-installed on Everex computers. The book also covers the full Fedora distribution. Linux is an open-source operating system and a low-cost or free alternative to Microsoft Windows; of numerous distributions of Linux, this book covers Ubuntu Linux, Fedora Core Linux, and gOS Linux, and includes them on the DVD. Install new open source software via Synaptic or RPM package managers Use free software to browse the Web, listen to music, read e-mail, edit photos, and even run Windows in a virtualized environment Get acquainted with the Linux command line If you want to get a solid foundation in Linux, this popular, accessible book is for you. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

In avvio la storia che parte da Unix, attraverso Richard Stallman, il movimento per il software libero e il progetto GNU. Che non decolla finché Linus Torvalds, con il suo kernel, non fornisce il pezzo mancante per un sistema operativo aperto e libero completo: GNU/Linux. Sono descritte le licenze di distribuzione di programmi che danno tanta libertà a chi le usa, compresa la modifica e lulteriore distribuzione. Nasce un parallelo movimento, lopen-source, meno rigoroso e non ideologico, che sposta lattenzione sulle opportunità legate al codice aperto. Sorgono Red Hat, Debian, S.U.S.E, Mandrake. Il kernel si evolve con crescente supporto hardware e, grazie a vari ambienti desktop e per la facilità, si afferma nel computer di tutti i giorni. Un confronto tra Windows e Linux in diversi passaggi, svela ragioni che hanno già spinto altri a liberarsi di inutile zavorra e invasioni di privacy. Cambiando software piuttosto computer. Si chiarisce poi cosa sia una distribuzione GNU/Linux, come sia composta, cosa sia il kernel. Caratteristiche e differenze delle principali famiglie e alcuni consigli generali sulle più semplici da avvicinare per poco esperti. Recensioni di 7 sistemi operativi GNU/Linux open-source popolari, gratuiti, valide alternative a Windows per un primo approccio a Linux. Un elenco di oltre 150 programmi suddivisi in più di 25 categorie, con descrizioni e link per smentire chi sostenga che Linux offre poca scelta.

Learn the fundamentals of PowerShell to build reusable scripts and functions to automate administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to verify your installed version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots.

What Every Superuser Should Know

Un pinguino sulla scrivania

Ubuntu Linux Bible

Getting Started with Arduino

Linux Mint 20.3: Installazione e configurazioni

An in-depth guide to becoming proficient in spatial data analysis using QGIS 3.4 and 3.6 with Python, 3rd Edition

Unlike some operating systems, Linux doesn’t try to hide the important bits from you—it gives you full control of your computer. But to truly master Linux, you need to understand its internals, like how the system boots, how networking works, and what the kernel actually does. In this completely revised second edition of the perennial best seller How Linux Works, author Brian Ward makes the concepts behind Linux internals accessible to anyone curious about the inner workings of the operating system. Inside, you’ll find the kind of knowledge that normally comes from years of experience doing things the hard way. You’ll learn: –How Linux boots, from boot loaders to init implementations (systemd, Upstart, and System V) –How the kernel manages devices, device drivers, and processes –How networking, interfaces, firewalls, and servers work –How development tools work and relate to shared libraries –How to write effective shell scripts You’ll also explore the kernel and examine key system tasks inside user space, including system calls, input and output, and filesystems. With its combination of background, theory, real-world examples, and patient explanations, How Linux Works will teach you what you need to know to solve pesky problems and take control of your operating system.

This book is intended for enthusiasts, computer science students, and compiler engineers interested in learning about the LLVM framework. You need a background in C++ and, although not mandatory, should know at least some compiler theory. Whether you are a newcomer or a compiler expert, this book provides a practical introduction to LLVM and avoids complex scenarios. If you are interested enough and excited about this technology, then this book is definitely for you.

Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world. Git has come a long way since it was first developed by Linus Torvalds for Linux kernel development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you’ll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and Ben Straub, Pro Git (Second Edition) builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter on GitHub. It’s the best book for all your Git needs.

This soup-to-nuts collection of recipes covers everything you need to know to perform your job as a Linux network administrator, whether you're new to the job or have years of experience. With Linux Networking Cookbook, you'll dive straight into the gnarly hands-on work of building and maintaining a computer network. Running a network doesn't mean you have all the answers. Networking is a complex subject with reams of reference material that's difficult to keep straight, much less remember. If you want a book that lays out the steps for specific tasks, that clearly explains the commands and configurations, and does not tax your patience with endless ramblings and meanderings into theory and obscure RFCs, this is the book for you. You will find recipes for: Building a gateway, firewall, and wireless access point on a Linux network Building a VoIP server with Asterisk Secure remote administration with SSH Building secure VPNs with OpenVPN, and a Linux PPTP VPN server Single sign-on with Samba for mixed Linux/Windows LANs Centralized network directory with OpenLDAP Network monitoring with Nagios or MRTG Getting acquainted with IPv6 Setting up hands-free networks installations of new systems Linux system administration via serial console And a lot more. Each recipe includes a clear, hands-on solution with tested code, plus a discussion on why it works. When you need to solve a network problem without delay, and don't have the time or patience to comb through reference books or the Web for answers, Linux Networking Cookbook gives you exactly what you need.

Unix Shell Programming

Ubuntu Linux. Guida rapida

Digital Forensics with Open Source Tools

Learning the bash Shell

Linux-Powered Electronic Projects With Python and JavaScript

Gli Scacchi in Rete

A project-based guide to help you create, package, and deploy desktop applications on multiple platforms using modern JavaScript frameworks Key FeaturesUse your web development skills with JavaScript and Node.js to build desktop applications for macOS and WindowsDevelop desktop versions of popular mobile applications that are similar to Slack, Spotify, and moreDesign desktop apps with automatic updates and real-time analytics capabilitiesBook Description The Electron framework allows you to use modern web technologies to build applications that share the same code across all operating systems and platforms. This also helps designers to easily transition from the web to the desktop. Electron Projects guides you through building cross-platform Electron apps with modern web technologies and JavaScript frameworks such as Angular, React.js, and Vue.js. You’ll explore the process of configuring modern JavaScript frameworks and UI libraries, real-time analytics and automatic updates, and interactions with the operating system. You’ll get hands-on with building a basic Electron app, before moving on to implement a Markdown Editor. In addition to this, you’ll be able to experiment with major JavaScript frameworks such as Angular and Vue.js, discovering ways to integrate them with Electron apps for building cross-platform desktop apps. Later, you’ll learn to build a screenshot snipping tool, a mini-game, and a music player, while also gaining insights into analytics, bug tracking, and licensing. You’ll then get to grips with building a chat app, an eBook generator and finally a simple digital wallet app. By the end of this book, you’ll have experience in building a variety of projects and project templates that will help you to apply your knowledge when creating your own cross-platform applications. What you will learnInitialize Node.js, Node Package Manager (NPM), and JavaScript to set up your appIntegrate Phaser with Electron to build a simple 2D gameImprove app quality by adding an error tracking system and crash reportsImplement group chat features and event handling capabilities using FirebaseIntegrate a WordPress-like rich-text editor into your appBuild Electron applications using a single codebaseWho this book is for This book is for JavaScript developers who want to explore the Electron framework for building desktop apps. Working knowledge of modern frontend JavaScript frameworks and Node.js is assumed. No prior knowledge of desktop development is required.

Ubuntu Unleashed 2021 Edition is filled with unique information for everyone who wants to make the most of the Ubuntu Linux operating system, including the latest in Ubuntu mobile development. This new edition has been thoroughly updated by a long-time Ubuntu community leader to reflect the new Ubuntu 20.04 and the forthcoming Ubuntu 20.10 and 21.04 releases. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 20.04 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more - including intermediate-to-advanced techniques you won't find in any other book. Helmke introduces Ubuntu's key productivity and Web development tools, programming languages, hardware support, and more. You'll find new and improved coverage of Ubuntu's Unity interface, various types of servers, software repositories, database options, virtualization and cloud services, development tools, monitoring, troubleshooting, Ubuntu's push into mobile and other touch screen devices, and much more. The companion DVD includes the full Ubuntu 20.04 distribution as well as the complete LibreOffice office suite and hundreds of additional programs and utilities. Ubuntu Unleashed provides detailed information on how to... Configure and customize the Unity desktop Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, DNS, and HTTP servers (Apache, Nginx, or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization Build a private cloud with Juju and Charms Learn the basics about popular programming languages including Python, PHP, Perl, and new alternatives such as Go and Rust Learn about Ubuntu's work toward usability on touch-screen and phone devices

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.

Corso passo passo per muovere i primi passi su Linux ma acquisire una conoscenza approfondita senza difficoltà. Con Esercizi e Soluzioni (in Italiano) Sezioni: Navigazione; Lista files; Creare, copiare e spostare files; Cancellare cartelle e files;Ricerca Files (per il loro nome); Ricerca dentro ai FIles;Leggere i Files;Pipeline e Standard Redirection;Permessi Sui FIles;Utenti: Gestione degli utenti e loro autorizzazioni; Gruppi di utenti ed autorizzazioni;Esercizi; Soluzioni, FHS: Filesystem Hierarchy Standard, Manuali: Guide interne, Manipolare: I Files Modifica dei files, ACL: Access Control List e maschere dei permessi. Sistema Operativo: gestione di hardware e software. I Processi, File System: files e directory, Cenni di Bash, Primi esempi di Bash, Script in Bash, Extra: Script Utili

Beginning Linux?Programming

Tools and Techniques for Building with Embedded Linux

Guida ai Free Internet Chess Server

Python 3

Linux Ubuntu. La guida ufficiale. Con DVD

The Official Ubuntu Server Book

Go beyond the basics and unleash the full power of QGIS 3.4 and 3.6 with practical, step-by-step examples Key FeaturesOne-stop solution to all of your GIS needs Master QGIS by learning about database integration, and geoprocessing toolsLearn about the new and updated Processing toolbox and perform spatial analysis Book Description QGIS is an open source solution to GIS and widely used by GIS professionals all over the world. It is the leading alternative to proprietary GIS software. Although QGIS is described as intuitive, it is also, by default, complex. Knowing which tools to use and how to apply them is essential to producing valuable deliverables on time. Starting with a refresher on the QGIS basics and getting you acquainted with the latest QGIS 3.6 updates, this book will take you all the way through to teaching you how to create a spatial database and a GeoPackage. Next, you will learn how to style raster and vector data by choosing and managing different colors. The book will then focus on processing raster and vector data. You will be then taught advanced applications, such as creating and editing vector data. Along with that, you will also learn about the newly updated Processing Toolbox, which will help you develop the advanced data visualizations. The book will then explain to you the graphic modeler, how to create QGIS plugins with PyQGIS, and how to integrate Python analysis scripts with QGIS. By the end of the book, you will understand how to work with all aspects of QGIS and will be ready to use it for any type of GIS work. What you will learnCreate and manage a spatial databaseGet to know advanced techniques to style GIS data Prepare both vector and raster data for processing Add heat maps, live layer effects, and labels to your maps Master LAStools and GRASS integration with the Processing Toolbox Edit and repair topological data errors Automate workflows with batch processing and the QGIS Graphical Modeler Integrate Python scripting into your data processing workflows Develop your own QGIS pluginsWho this book is for If you are a GIS professional, a consultant, a student, or perhaps a fast learner who wants to go beyond the basics of QGIS, then this book is for you. It will prepare you to realize the full potential of QGIS.

An annotated guide to program and develop GNU/Linux Embedded systems quickly About This Book Rapidly design and build powerful prototypes for GNU/Linux Embedded systems Become familiar with the workings of GNU/Linux Embedded systems and how to manage its peripherals Write, monitor, and configure applications quickly and effectively, manage an external micro-controller, and use it as co-processor for real-time tasks Who This Book Is For This book targets Embedded System developers and GNU/Linux programmers who would like to program Embedded Systems and perform Embedded development. The book focuses on quick and efficient prototype building. Some experience with hardware and Embedded Systems is assumed, as is having done some previous work on GNU/Linux systems. Knowledge of scripting on GNU/Linux is expected as well. What You Will Learn Use embedded systems to implement your projects Access and manage peripherals for embedded systems Program embedded systems using languages such as C, Python, Bash, and PHP Use a complete distribution, such as Debian or Ubuntu, or an embedded one, such as OpenWrt or Yocto Harness device driver capabilities to optimize device communications Access data through several kinds of devices such as GPIO's, serial ports, PWM, ADC, Ethernet, WiFi, audio, video, I2C, SPI, One Wire, USB and CAN Practical example usage of several devices such as RFID readers, Smart card readers, barcode readers, z-Wave devices, GSM/GPRS modems Usage of several sensors such as light, pressure, moisture, temperature, infrared, power, motion In Detail Embedded computers have become very complex in the last few years and developers need to easily manage them by focusing on how to solve a problem without wasting time in finding supported peripherals or learning how to manage them. The main challenge with experienced embedded programmers and engineers is really how long it takes to turn an idea into reality, and we show you exactly how to do it. This book shows how to interact with external environments through specific peripherals used in the industry. We will use the latest Linux kernel release 4.4.x and Debian/Ubuntu distributions (with embedded distributions like OpenWrt and Yocto). The book will present popular boards in the industry that are user-friendly to base the rest of the projects on - BeagleBone Black, SAMA5D3 Xplained, Wandboard and system-on-chip manufacturers. Readers will be able to take their first steps in programming the embedded platforms, using C, Bash, and Python/PHP languages in order to get access to the external peripherals. More about using and programming device driver and accessing the peripherals will be covered to lay a strong foundation. The readers will learn how to read/write data from/to the external environment by using both C programs or a scripting language (Bash/PHP/Python) and how to configure a device driver for a specific hardware. After finishing this book, the readers will be able to gain a good knowledge level and understanding of writing, configuring, and managing drivers, controlling and monitoring applications with the help of efficient/quick programming and will be able to apply these skills into real-world projects. Style and approach This practical tutorial will get you quickly prototyping embedded systems on GNU/Linux. This book uses a variety of hardware to program the peripherals and build simple prototypes.

This book is intended for anyone starting out with PHP programming. If you’ve previously worked in another programming language such as Java, C#, or Perl, you’ll probably pick up the concepts in the earlier chapters quickly; however, the book assumes no prior experience of programming or of building Web applications. That said, because PHP is primarily a Web technology, it will help if you have at least some knowledge of other Web technologies, particularly HTML and CSS. Many Web applications make use of a database to store data, and this book contains three chapters on working

with MySQL databases. Once again, if you're already familiar with databases in general — and MySQL in particular — you'll be able to fly through these chapters. However, even if you've never touched a database before in your life, you should still be able to pick up a working knowledge by reading through these chapters.
The Ubuntu Beginner's Guide gives users new to Ubuntu Linux an overview of the operating system, from simple command-line tasks to advanced server configuration.In the Guide, you'll learn how to: -Use the Ubuntu command line.-Manage users, groups, and file permissions.-Install software on a Ubuntu system, both from the command line, the GUI, and using the Snappy application management system.-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 and Drupal.-Configure an FTP server.-Manage ebooks.-Convert digital media.-Manage and configure GNOME Shell, the new default Ubuntu environment.-Manage and configure Unity, the old default Ubuntu environment.-Manage and halt processes from the command line.-Set up both a VNC server and a client-And many other topics
LINUX RAPIDO E (QUASI) COMPLETO - CON ESERCIZI E SOLUZIONI
Exploring BeagleBone
Create fast and reliable embedded solutions with Linux 5.4 and the Yocto Project 3.1 (Dunfell)
Mastering Embedded Linux Programming
Mastering Geospatial Development with QGIS 3.x
Getting Started with LLVM Core Libraries

In questo secondo volume di LAMP: guida per creare il tuo sito continueremo ad approfondire il funzionamento degli strumenti che compongono la piattaforma e ci occuperemo, in particolare, dell'interazione tra pagine web dinamiche e basi di dati. La trattazione muoverà dall'analisi del concetto di database e dei suoi ambiti di utilizzo, in generale ed in ottica siti web. Vedremo quali strumenti software (applicazioni e linguaggio) scegliere per utilizzare correttamente il database prescritto dal paradigma LAMP, ossia MySQL. Illustreremo passo dopo passo come installare MySQL e il MySQL Workbench, il tool di sviluppo più utilizzato dai programmatori professionisti. Spiegheremo molti dei comandi principali del linguaggio SQL e forniremo esempi pratici degli argomenti spiegati, in modo da utilizzare subito i concetti studiati. Vedremo, quindi, le funzioni più avanzate del linguaggio PHP, la colonna portante di un sito web dinamico, studiando i costrutti più "difficili", realizzando poi numerose pagine web dinamiche come esempi di quanto spiegato. LIVELLO 2 Database e funzioni avanzate Imparerai: . A gestire i database in ambito generale e in ottica web. . A installare e utilizzare My SQL e My SQL Workbench. . Le funzioni avanzate del linguaggio PHP. . A realizzare articolate pagine web dinamiche.
Digital Forensics with Open Source Tools is the definitive book on investigating and analyzing computer systems and media using open source tools. The book is a technical procedural guide, and explains the use of open source tools on Mac, Linux and Windows systems as a platform for performing computer forensics. Both well-known and novel forensic methods are demonstrated using command-line and graphical open source computer forensic tools for examining a wide range of target systems and artifacts. Written by world-renowned forensic practitioners, this book uses the most current examination and analysis techniques in the field. It consists of 9 chapters that cover a range of topics such as the open source examination platform; disk and file system analysis; Windows systems and artifacts; Linux systems and artifacts; Mac OS X systems and artifacts; Internet artifacts; and automating analysis and extending capabilities. The book lends itself to use by students and those entering the field who do not have means to purchase new tools for different investigations. This book will appeal to forensic practitioners from areas including incident response teams and computer forensic investigators; forensic technicians from legal, audit, and consulting firms; and law enforcement agencies. Written by world-renowned forensic practitioners Details core concepts and techniques of forensic file system analysis Covers analysis of artifacts from the Windows, Mac, and Linux operating systems
In-depth instruction and practical techniques for buildingwith the BeagleBone embedded Linux platform Exploring BeagleBone is a hands-on guide to bringinggadgets, gizmos, and robots to life using the popular BeagleBoneembedded Linux platform. Comprehensive content and deep detailprovide more than just a BeagleBone instructionmanual—you'll also learn the underlying engineeringtechniques that will allow you to create your own projects. Thebook begins with a foundational primer on essential skills, andthen gradually moves into communication, control, and advancedapplications using C/C++, allowing you to learn at your own pace.In addition, the book's companion website featuresinstructional videos, source code, discussion forums, and more, toensure that you have everything you need. The BeagleBone's small size, high performance, low cost,and extreme adaptability have made it a favorite developmentplatform, and the Linux software base allows for complex yetflexible functionality. The BeagleBone has applications in smartbuildings, robot control, environmental sensing, to name a few;and, expansion boards and peripherals dramatically increase thepossibilities. Exploring BeagleBone provides areader-friendly guide to the device, including a crash coursein computer engineering. While following step by step, you can: Get up to speed on embedded Linux, electronics, andprogramming Master interfacing electronic circuits, buses and modules, withpractical examples Explore the Internet-connected BeagleBone and the BeagleBonewith a display Apply the BeagleBone to sensing applications, including videoand sound Explore the BeagleBone's Programmable Real-TimeControllers Hands-on learning helps ensure that your new skills stay withyou, allowing you to design with electronics, modules, orperipherals even beyond the BeagleBone. Insightful guidance andonline peer support help you transition from beginner to expert asyou master the techniques presented in Exploring BeagleBone,the practical handbook for the popular computing platform.
Ubuntu Server is a complete, free server operating system that just works, with the extra Ubuntu polish, innovation, and simplicity that administrators love. Now, there's a definitive, authoritative guide to getting up-and-running quickly with the newest, most powerful versions of Ubuntu Server. Written by leading members of the Ubuntu community, The Official Ubuntu Server Book covers all you need to know to make the most of Ubuntu Server, whether you're a beginner or a battle-hardened senior system administrator. The authors cover Ubuntu Server from start to finish: installation, basic administration and monitoring, security, backup, troubleshooting, system rescue, and much more. They walk through deploying each of the most common server applications, from file and print services to state-of-the-art, cost-saving virtualization. In addition, you'll learn how to Make the most of Ubuntu Server's latest, most powerful technologies Discover easy, fast ways to perform key administration tasks Automate Ubuntu installs, no matter how many servers you're installing Quickly set up low-cost web servers and email Protect your server with Ubuntu's built-in and optional security tools Minimize downtime with fault tolerance and clustering Master proven, step-by-step server and network troubleshooting techniques Walk through rescuing an Ubuntu server that won't boot
UNIX and Linux System Administration Handbook
Linux For Dummies
Ubuntu Linux 9.10. Guida compatta
Getting Started with PowerShell
Ubuntu Linux. Trucchi e segreti

Nuova edizione: Supporto per Windows 10, ExFAT; nuove immagini esplicative. "Tecnologie e progettazione di sistemi informatici e di telecomunicazioni" (che abbrevieremo in TEPSIT) è una materia introdotta dalla recente riforma della scuola superiore ed è stata per la prima volta provata "sul campo" nell'anno scolastica 2012-13. Si tratta quindi di una materia nuova, anche se gran parte degli argomenti – in forma diversa – era già presente nel vecchio ordinamento. Le indicazioni ministeriali sugli argomenti oggetto del corso sono piuttosto generiche, e comprendono: Teoria dell'informazione; Sistemi operativi; Programmazione concorrente; Progettazione informatica; Programmazione di rete. Con l'eccezione del terzo punto, previsto per il quinto anno, non c'è neppure una distinzione precisa tra il terzo e quarto anno. Si tratta in ogni caso di argomenti molto vasti e in continua evoluzione, ed è praticamente impossibile svolgerli tutti allo stesso livello di approfondimento. La scelta di questo di libro di testo digitale è quella di presentare in ogni caso contenuti approfonditi, permettendo quindi ai docenti di "personalizzare" il corso in base ai propri gusti, conoscenze specifiche e richieste del territorio. La seconda scelta, è quella di spostare in questa materia la programmazione HTML e CSS, svolta in modo approfondito e ricco di esempi. L'obiettivo è quello di permettere attività pratiche di progettazione che sarebbero impossibili, nel terzo anno, per un progetto di programmazione: l'idea è di dare a TEPSIT la connotazione della "materia del web"; il tutto verrà rinforzato gli anni successivi con programmazione client-side, multimedia e nel quinto anno con la programmazione e i servizi server-side. L'eBook è organizzato in modo piuttosto semplice: è diviso in cinque MODULI principali, al loro interno troverete le varie sezioni organizzate in modo gerarchico, per facilitare la navigazione. Le sezioni sono generalmente: un'introduzione generale; l'esposizione degli argomenti, in modo gerarchico; sintesi dell'argomento; una sezione di approfondimento e di link esterni; esercizi. A fine modulo un breve riepilogo, con schemi riassuntivi ed esercizi conclusivi, generalmente più articolati di quelli visti nelle singole sezioni. A completare il tutto trovata alcune mappe mentali per meglio focalizzare gli argomenti. Al termine di ogni modulo troverete: una seconda serie di esercizi, un po' più articolati e generalmente senza soluzione (potrete rivolgervi al vostro professore per delucidazioni); spunti di riflessione su alcuni argomenti particolarmente spinosi. Il libro è ricco di definizioni: per aiutarvi a memorizzarle sono organizzate anche visivamente.
Many people think of Linux as a computer operating system, running on users' desktops and powering servers. But Linux can also be found inside many consumer electronics devices. Whether they're the brains of a cell phone, cable box, or exercise bike, embedded Linux systems blur the distinction between computer and device. Many makers love microcontroller platforms such as Arduino, but as the complexity increases in their projects, they need more power for applications, such as computer vision. The BeagleBone is an embedded Linux board for makers. It's got built-in networking, many inputs and outputs, and a fast processor to handle demanding tasks. This book introduces you to both the original BeagleBone and the new BeagleBone Black and gets you started with projects that take advantage of the board's processing power and its ability to interface with the outside world.
Your ultimate guide to pentesting with Kali Linux Kali is a popular and powerful Linux distribution used by cybersecurity professionals around the world. Penetration testers must master Kali's varied library of tools to be effective at their work. The Kali Linux Penetration Testing Bible is the hands-on and methodology guide for pentesting with Kali. You'll discover everything you need to know about the tools and techniques hackers use to gain access to systems like yours so you can erect reliable defenses for your virtual assets. Whether you're new to the field or an established pentester, you'll find what you need in this comprehensive guide. Build a modern dockerized environment Discover the fundamentals of the bash language in Linux Use a variety of effective techniques to find vulnerabilities (OSINT, Network Scan, and more) Analyze your findings and identify false positives and uncover advanced subjects, like buffer overflow, lateral movement, and privilege escalation Apply practical and efficient pentesting workflows Learn about Modern Web Application Security Secure SDLC Automate your penetration testing with Python
This book is designed to introduce you to using containers and Kubernetes for full-stack development. You'll learn how to develop a full-stack application using Node.js and MongoDB and how to and manage them using Docker, then Docker Compose, and finally Kubernetes.
Linux Networking Cookbook
LAMP: guida per creare il tuo sito. Livello 2
GNU/Linux Rapid Embedded Programming
Official Ubuntu Book
Deep Learning for Coders with fastai and PyTorch
Ubuntu Linux Unleashed 2021 Edition
Questa guida si propone di riunire all'interno di un unico documento in italiano, informazioni che possano essere utili a coloro che vogliono avvicinarsi a questo ottimo servizio, dedicato a chi ama gli scacchi giocati, chiacchierati, studiati via Internet.
Corso passo passo per muovere i primi passi su Linux ma acquisire una conoscenza approfondita senza difficoltà. Con Esercizi e Soluzioni (in Italiano) Sezioni: Navigazione Lista files Creare, copiare e spostare files Cancellare cartelle e files Ricerca Files (per il loro nome) Ricerca dentro ai Files Leggere i Files Pipeline e Standard Redirection Permessi Sui FIles Utenti: Gestione degli utenti e loro autorizzazioni Gruppi di utenti ed autorizzazioni Esercizi Soluzioni
O'Reilly's Pocket Guides have earned a reputation as inexpensive, comprehensive, and compact guides that have the stuff but not the fluff. Every page of Linux Pocket Guide lives up to this billing. It clearly explains how to get up to speed quickly on day-to-day Linux use. Once you're up and running, Linux Pocket Guide provides an easy-to-use reference that you can keep by your keyboard for those times when you want a fast, useful answer, not hours in the man pages.Linux Pocket Guide is organized the way you use Linux: by function, not just alphabetically. It's not the 'bible of Linux; it's a practical and concise guide to the options and commands you need most. It starts with general concepts like files and directories, the shell, and X windows, and then presents detailed overviews of the most essential commands, with clear examples. You'll learn each command's purpose, usage, options, location on disk, and even the RPM package that installed it.The Linux Pocket Guide is tailored to Fedora Linux--the latest spin-off of Red Hat Linux--but most of the information applies to any Linux system.Throw in a host of valuable power user tips and a friendly and accessible style, and you'll quickly find this practical, to-the-point book a small but mighty resource for Linux users.
Describes the concepts of programming with Linux, covering such topics as shell programming, file structure, managing memory, using MySQL, debugging, processes and signals, and GNOME.
Electron Projects
Guida tascabile al linguaggio di Google, Star Wars e la NASA
Getting Started with BeagleBone
The Ubuntu Beginner's Guide
Kali Linux Penetration Testing Bible
From Asterisk to Zebra with Easy-to-Use Recipes

Deep learning is often viewed as the exclusive domain of math PhDs and big tech companies. But as this hands-on guide demonstrates, programmers comfortable with Python can achieve impressive results in deep learning with little math background, small amounts of data, and minimal code. How? With fastai, the first library to provide a consistent interface to the most frequently used deep learning applications. Authors Jeremy Howard and Sylvain Gugger, the creators of fastai, show you how to train a model on a wide range of tasks using fastai and PyTorch. You'll also dive progressively further into deep learning theory to gain a complete understanding of the algorithms behind the scenes. Train models in computer vision, natural language processing, tabular data, and collaborative filtering Learn the latest deep learning techniques that matter most in practice Improve accuracy, speed, and reliability by understanding how deep learning models work Discover how to turn your models into web applications Implement deep learning algorithms from scratch Consider the ethical implications of your work Gain insight from the foreword by PyTorch cofounder, Soumith Chintala
Harness the power of Linux to create versatile and robust embedded solutions Key FeaturesLearn how to develop and configure robust embedded Linux devicesExplore the new features of Linux 5.4 and the Yocto Project 3.1 (Dunfell)Discover different ways to debug and profile your code in both user space and the Linux kernelBook Description If you're looking for a book that will demystify embedded Linux, then you've come to the right place. Mastering Embedded Linux Programming is a fully comprehensive guide that can serve both as means to learn new things or as a handy reference. The first few chapters of this book will break down the fundamental elements that underpin all embedded Linux projects: the toolchain, the bootloader, the kernel, and the root filesystem. After that, you will learn how to create each of these elements from scratch and automate the process using Buildroot and the Yocto Project. As you progress, the book will show you how to implement an effective storage strategy for flash memory chips and install updates to a device remotely once it's deployed. You'll also learn about the key aspects of writing code for embedded Linux, such as how to access hardware from apps, the implications of writing multi-threaded code, and techniques to manage memory in an efficient way. The final chapters demonstrate how to debug your code, whether it resides in apps or in the Linux kernel itself. You'll also cover the different tracers and profilers that are available for Linux so that you can quickly pinpoint any performance bottlenecks in your system. By the end of this Linux book, you'll be able to create efficient and secure embedded devices using Linux. What you will learnUse Buildroot and the Yocto Project to create embedded Linux systemsTroubleshoot BitBake build failures and streamline your Yocto development workflowUpdate IoT devices securely in the field using Mender or balenaPrototype peripheral additions by reading schematics, modifying device trees, soldering breakout boards, and probing pins with a logic analyzerInteract with hardware without having to write kernel device driversDivide your system up into services supervised by BusyBox runitDebug devices remotely using GDB and measure the performance of systems using tools such as perf, ftrace, eBPF, and CallgrindWho this book is for If you're a systems software engineer or system administrator who wants to learn how to implement Linux on embedded devices, then this book is for you. It's also aimed at embedded systems engineers accustomed to programming for low-power microcontrollers, who can use this book to help make the leap to high-speed systems on chips that can run Linux. Anyone who develops hardware that needs to run Linux will find something useful in this book - but before you get started, you'll need a solid grasp on POSIX standard, C programming, and shell scripting.
O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell.As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides.If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security
Ubuntu Linux. Guida rapidaUbuntu Linux 9.10. Guida compattaHOEPLI EDITORELinux Ubuntu. La guida ufficiale. Con DVDApogeo EditoreLinux rapido e (quasi) completoCorso passo passo per muovere i primi passi su Linux. Con Esercizi e Soluzioni (in Italiano)Youcanprint
Build over 9 cross-platform desktop applications from scratch
Linux rapido e (quasi) completo
Tecnologia e progettazione per il mondo digitale e per il web I
Beginning PHP 5.3
Database e funzioni avanzate
From Containers to Kubernetes with Node.js