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Networking: A Beginner's Guide, Sixth Edition Sep 24 2020 Current, essential IT networking skills--made easy! Thoroughly revised to cover the latest technologies, this practical resource provides you with a solid foundation in networking fundamentals. *Networking: A Beginner's Guide, Sixth Edition* discusses wired and wireless network design, configuration, hardware, protocols, security, backup, recovery, and virtualization. You'll also get step-by-step instructions for installing, configuring, and managing Windows Server 2012, Exchange Server 2013, Oracle Linux, and Apache. This is the perfect book for anyone starting a networking career or in need of an easy-to-follow refresher. Understand network cabling, topologies, hardware, and the OSI seven-layer model Connect LANs and WANs Configure network protocols, such as TCP/IP, IPX/SPX, SMTP, DHCP, HTTP, WINS, and more Explore directory services, such as Microsoft's Active Directory, X.400, and LDAP Enable and support remote network access Secure your network and handle backup and disaster recovery Select, install, and manage reliable network servers, including Windows Server 2012, Exchange Server 2013, Oracle Linux, and Apache Manage network workstation computers Design a robust network from the ground up Work with virtualization technologies, such as Hyper-V, VMWare, and Oracle VM VirtualBox

Radar Instruction Manual Jan 29 2021 Since 1958 the Maritime Administration has continuously conducted instructions in use of collision avoidance radar for qualified U.S. seafaring personnel and representatives of interested Federal and State Agencies.Beginning in 1963, to facilitate the expansion of training capabilities and at the same time to provide the most modern techniques in training methods, radar simulators were installed in Maritime Administration's three region schools.It soon became apparent that to properly instruct the trainees, even with the advanced equipment, a standardize up-to-date instruction

manual was needed. The first manual was later revised to serve both as a classroom textbook and as an onboard reference handbook.This newly updated manual, the fourth revision, in keeping with Maritime Administration policy, has been restructured to include improved and more effective methods of plotting techniques for use in Ocean, Great Lakes, Coastwise and Inland Waters navigation.Robert J. BlackwellAssistant Secretary for Maritime Affairs

68000, 68010, and 68020 Primer Oct 26 2020

Hacking Raspberry Pi Jul 23 2020 DIY hardware hacking...easy as Pi @! Raspberry Pi is taking off like a rocket! You can use this amazing, dirt-cheap, credit card-sized computer to learn powerful hardware hacking techniques as you build incredibly creative and useful projects! This complete, full-color guide requires absolutely no experience with either hardware hacking or computer programming. Colorful photos guide you through each project, and the step-by-step instructions are stunningly clear and easy! 1. Start with the absolute basics: Discover why millions of people are so passionate about the Pi! Tour the hardware, including storage, connections, and networking Install and run Raspbian, Raspberry Pi's Linux-based operating system Manage devices and configuration files Network Raspberry Pi and add Wi-Fi Program Raspberry Pi using Python, Scratch, XHTML, PHP, and MySQL 2. Next, build all these great projects: Media Center Retro Console Video Game Station Minecraft Server Web Server Portable Webcam Security & Privacy Device 3. Then, master all these cutting-edge techniques: Overclock Raspberry Pi for better performance Link Raspberry Pi to the Arduino and Arduino clones, including the AlaMode and the Gertboard Use the Pi to build electronics prototypes using a breadboard.

Chao Lun Nov 14 2019

Agile Principles, Patterns, and Practices in C# Jul 03 2021 With the

award-winning book *Agile Software Development: Principles, Patterns, and Practices*, Robert C. Martin helped bring Agile principles to tens of thousands of Java and C++ programmers. Now .NET programmers have a definitive guide to agile methods with this completely updated volume from Robert C. Martin and Micah Martin, *Agile Principles, Patterns, and Practices in C#*. This book presents a series of case studies illustrating the fundamentals of Agile development and Agile design, and moves quickly from UML models to real C# code. The introductory chapters lay out the basics of the agile movement, while the later chapters show proven techniques in action. The book includes many source code examples that are also available for download from the authors' Web site. Readers will come away from this book understanding Agile principles, and the fourteen practices of Extreme Programming Spiking, splitting, velocity, and planning iterations and releases Test-driven development, test-first design, and acceptance testing Refactoring with unit testing Pair programming Agile design and design smells The five types of UML diagrams and how to use them effectively Object-oriented package design and design patterns How to put all of it together for a real-world project Whether you are a C# programmer or a Visual Basic or Java programmer learning C#, a software development manager, or a business analyst, *Agile Principles, Patterns, and Practices in C#* is the first book you should read to understand agile software and how it applies to programming in the .NET Framework.

Network+ Study Guide Jun 14 2022 Here's the book you need to prepare for CompTIA's updated Network+ exam, N10-003. This revised edition of the best-selling Network+ Study Guide was developed to meet the exacting requirements of today's certification candidates. In addition to the focused and accessible instructional approach that has earned Sybex the reputation as the leading publisher for certification self-study guides, this book provides: Clear and concise information on networking essentials. Practical examples and insights drawn from real-world experience. Leading-edge exam preparation software, including a test engine and electronic flashcards. You'll also find authoritative coverage of key exam topics, including: Media and Topologies Protocols and

Standards Network Implementation Network Support Reviewed and approved as CompTIA Authorized Quality Curriculum (CAQC), this book provides numerous study advantages with CAQC materials, including coverage of all exam objectives, implementation of important instructional design principles, and instructional reviews that help students assess their learning comprehension and readiness for the exam. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

The Art of Assembly Language, 2nd Edition Dec 20 2022 Assembly is a low-level programming language that's one step above a computer's native machine language. Although assembly language is commonly used for writing device drivers, emulators, and video games, many programmers find its somewhat unfriendly syntax intimidating to learn and use. Since 1996, Randall Hyde's *The Art of Assembly Language* has provided a comprehensive, plain-English, and patient introduction to 32-bit x86 assembly for non-assembly programmers. Hyde's primary teaching tool, High Level Assembler (or HLA), incorporates many of the features found in high-level languages (like C, C++, and Java) to help you quickly grasp basic assembly concepts. HLA lets you write true low-level code while enjoying the benefits of high-level language programming. As you read *The Art of Assembly Language*, you'll learn the low-level theory fundamental to computer science and turn that understanding into real, functional code. You'll learn how to: -Edit, compile, and run HLA programs -Declare and use constants, scalar variables, pointers, arrays, structures, unions, and namespaces -Translate arithmetic expressions (integer and floating point) -Convert high-level control structures This much anticipated second edition of *The Art of Assembly Language* has been updated to reflect recent changes to HLA and to support Linux, Mac OS X, and FreeBSD. Whether you're new to programming or you have experience with high-level languages, *The Art of Assembly Language, 2nd Edition* is your essential guide to learning this complex, low-level language.

HWM Nov 19 2022 Singapore's leading tech magazine gives its readers the power to decide with its informative articles and in-depth reviews.

Homeland Jan 09 2022 In Cory Doctorow's wildly successful *Little Brother*, young Marcus Yallow was arbitrarily detained and brutalized by the government in the wake of a terrorist attack on San Francisco—an experience that led him to become a leader of the whole movement of technologically clued-in teenagers, fighting back against the tyrannical security state. A few years later, California's economy collapses, but Marcus's hacktivist past lands him a job as webmaster for a crusading politician who promises reform. Soon his former nemesis Masha emerges from the political underground to gift him with a thumbdrive containing a Wikileaks-style cable-dump of hard evidence of corporate and governmental perfidy. It's incendiary stuff—and if Masha goes missing, Marcus is supposed to release it to the world. Then Marcus sees Masha being kidnapped by the same government agents who detained and tortured Marcus years earlier. Marcus can leak the archive Masha gave him—but he can't admit to being the leaker, because that will cost his employer the election. He's surrounded by friends who remember what he did a few years ago and regard him as a hacker hero. He can't even attend a demonstration without being dragged onstage and handed a mike. He's not at all sure that just dumping the archive onto the Internet, before he's gone through its millions of words, is the right thing to do. Meanwhile, people are beginning to shadow him, people who look like they're used to inflicting pain until they get the answers they want. Fast-moving, passionate, and as current as next week, *Homeland* is every bit the equal of *Little Brother*—a paean to activism, to courage, to the drive to make the world a better place. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

Big Book of Apple Hacks Dec 08 2021 Bigger in size, longer in length, broader in scope, and even more useful than our original Mac OS X Hacks, the new *Big Book of Apple Hacks* offers a grab bag of tips, tricks and hacks to get the most out of Mac OS X Leopard, as well as the new line of iPods, iPhone, and Apple TV. With 125 entirely new hacks presented in step-by-step fashion, this practical book is for serious Apple computer and gadget users who really want to take control of these systems. Many of the hacks take you under the hood and show you how

to tweak system preferences, alter or add keyboard shortcuts, mount drives and devices, and generally do things with your operating system and gadgets that Apple doesn't expect you to do. The *Big Book of Apple Hacks* gives you: Hacks for both Mac OS X Leopard and Tiger, their related applications, and the hardware they run on or connect to Expanded tutorials and lots of background material, including informative sidebars "Quick Hacks" for tweaking system and gadget settings in minutes Full-blown hacks for adjusting Mac OS X applications such as Mail, Safari, iCal, Front Row, or the iLife suite Plenty of hacks and tips for the Mac mini, the MacBook laptops, and new Intel desktops Tricks for running Windows on the Mac, under emulation in Parallels or as a standalone OS with Bootcamp The *Big Book of Apple Hacks* is not only perfect for Mac fans and power users, but also for recent -- and aspiring -- "switchers" new to the Apple experience. Hacks are arranged by topic for quick and easy lookup, and each one stands on its own so you can jump around and tweak whatever system or gadget strikes your fancy. Pick up this book and take control of Mac OS X and your favorite Apple gadget today!

Boot Feb 10 2022

Windows Internals Feb 16 2020 See how the core components of the Windows operating system work behind the scenes—guided by a team of internationally renowned internals experts. Fully updated for Windows Server(R) 2008 and Windows Vista(R), this classic guide delivers key architectural insights on system design, debugging, performance, and support—along with hands-on experiments to experience Windows internal behavior firsthand. Delve inside Windows architecture and internals: Understand how the core system and management mechanisms work—from the object manager to services to the registry Explore internal system data structures using tools like the kernel debugger Grasp the scheduler's priority and CPU placement algorithms Go inside the Windows security model to see how it authorizes access to data Understand how Windows manages physical and virtual memory Tour the Windows networking stack from top to bottom—including APIs, protocol drivers, and network adapter drivers Troubleshoot file-system

access problems and system boot problems Learn how to analyze crashes
Open-Source Electronics Platforms Mar 11 2022 Open-source electronics are becoming very popular, and are integrated with our daily educational and developmental activities. At present, the use open-source electronics for teaching science, technology, engineering, and mathematics (STEM) has become a global trend. Off-the-shelf embedded electronics such as Arduino- and Raspberry-compatible modules have been widely used for various applications, from do-it-yourself (DIY) to industrial projects. In addition to the growth of open-source software platforms, open-source electronics play an important role in narrowing the gap between prototyping and product development. Indeed, the technological and social impacts of open-source electronics in teaching, research, and innovation have been widely recognized.

Statistical Analysis of Gene Expression Microarray Data May 13 2022 Although less than a decade old, the field of microarray data analysis is now thriving and growing at a remarkable pace. Biologists, geneticists, and computer scientists as well as statisticians all need an accessible, systematic treatment of the techniques used for analyzing the vast amounts of data generated by large-scale gene expression studies
Windows Internals, Part 1 Dec 28 2020 The definitive guide—fully updated for Windows 10 and Windows Server 2016 Delve inside Windows architecture and internals, and see how core components work behind the scenes. Led by a team of internals experts, this classic guide has been fully updated for Windows 10 and Windows Server 2016. Whether you are a developer or an IT professional, you'll get critical, insider perspectives on how Windows operates. And through hands-on experiments, you'll experience its internal behavior firsthand—knowledge you can apply to improve application design, debugging, system performance, and support. This book will help you: · Understand the Window system architecture and its most important entities, such as processes and threads · Examine how processes manage resources and threads scheduled for execution inside processes · Observe how Windows manages virtual and physical memory · Dig into the Windows I/O system and see how device drivers work and integrate with the rest of the

system · Go inside the Windows security model to see how it manages access, auditing, and authorization, and learn about the new mechanisms in Windows 10 and Server 2016

Microsoft Windows 7 in Depth Aug 04 2021 Starting with an overview to guide decisions on which version to purchase, Cowart and Knittel cover Windows improved interface, security, Web browsing, performance, multimedia, networking, and system management and stability features. A trial online edition is available.

Ocean of Sound Aug 24 2020 Sun Ra, Brian Eno, Lee Perry, Kate Bush, Kraftwerk, Aphex Twin, Ryuichi Sakamoto and Brian Wilson are interviewed in this extraordinary work of sonic history that travels from the rainforests of Amazonas to virtual Las Vegas, from David Lynch's dream house, high in the Hollywood hills to the megalopolis of Tokyo. *Ocean of Sound* begins in 1889 at the Paris Exposition when Debussy first heard Javanese music performed. It goes on to comprehensively map a whole century of ambient music and its legacy.

Windows Internals Mar 31 2021 Delve inside Windows architecture and internals—and see how core components work behind the scenes. Led by three renowned internals experts, this classic guide is fully updated for Windows 7 and Windows Server 2008 R2—and now presents its coverage in two volumes. As always, you get critical insider perspectives on how Windows operates. And through hands-on experiments, you'll experience its internal behavior firsthand—knowledge you can apply to improve application design, debugging, system performance, and support. In Part 1, you will: Understand how core system and management mechanisms work—including the object manager, synchronization, Wow64, Hyper-V, and the registry Examine the data structures and activities behind processes, threads, and jobs Go inside the Windows security model to see how it manages access, auditing, and authorization Explore the Windows networking stack from top to bottom—including APIs, BranchCache, protocol and NDIS drivers, and layered services Dig into internals hands-on using the kernel debugger, performance monitor, and other tools
ARM Architecture Reference Manual Oct 14 2019 Information in manual gives an overview of the ARM (Advanced RISC Machines)

architecture. Describes the programmer's model, the ARM instruction set, the differences between 32-bit and 26-bit architectures, the Thumb instruction set, ARM system architecture, and the system control processor. Gives examples of coding algorithms.

Tricks of the Windows Game Programming Gurus Apr 19 2020

"Tricks of the Windows Game Programmin Gurus, 2E" takes the reader through Win32 programming, covering all the major components of DirectX including DirectDraw, DirectSound, DirectInput (including Force Feedback), and DirectMusic. Andre teaches the reader 2D graphics and rasterization techniques. Finally, Andre provides the most intense coverage of game algorithms, multithreaded programming, artificial intelligence (including fuzzy logic, neural nets, and genetic algorithms), and physics modeling you have ever seen in a game book.

Hacking Digital Cameras Aug 16 2022 Why waste a thousand words?

Photos tell stories. And the more you can do with your digital camera, the better the story you can tell. So build a remote control and sneak up on that picture that keeps eluding you. Create an adapter that lets you use SLR-type lenses on your point-and-shoot. Play with lens magnification or create a pinhole lens. Beef up flash memory. And that's just where the tale begins. The ending is up to you. Hack any digital camera Illustrated step-by-step directions for more than 20 hacks, including: Building triggers Accessing raw sensor data Making accessory lens adapters Eliminating the infrared blocking filter Extending lenses Making reverse macro adapters Building a monopod Creating bicycle and car mounts Hacking microdrives from other devices

Handbook of Social Network Technologies and Applications May

21 2020 Social networking is a concept that has existed for a long time; however, with the explosion of the Internet, social networking has become a tool for people to connect and communicate in ways that were impossible in the past. The recent development of Web 2.0 has provided many new applications, such as Myspace, Facebook, and LinkedIn. The purpose of Handbook of Social Network Technologies and Applications is to provide comprehensive guidelines on the current and future trends in social network technologies and applications in the field of Web-based

Social Networks. This handbook includes contributions from world experts in the field of social networks from both academia and private industry. A number of crucial topics are covered including Web and software technologies and communication technologies for social networks. Web-mining techniques, visualization techniques, intelligent social networks, Semantic Web, and many other topics are covered. Standards for social networks, case studies, and a variety of applications are covered as well.

Apple Confidential 2.0 Apr 12 2022 Chronicles the best and the worst of Apple Computer's remarkable story.

GameAxis Unwired Oct 18 2022 GameAxis Unwired is a magazine dedicated to bring you the latest news, previews, reviews and events around the world and close to you. Every month rain or shine, our team of dedicated editors (and hardcore gamers!) put themselves in the line of fire to bring you news, previews and other things you will want to know.

Beginning DB2 Jan 17 2020 IBM's DB2 Express Edition is one of the most capable of the free database platforms available in today's marketplace. In Beginning DB2, author Grant Allen gets you started using DB2 Express Edition for web sites, desktop applications, and more. The author covers the basics of DB2 for developers and database administrators, shows you how to manage data in both XML and relational form, and includes numerous code examples so that you are never in doubt as to how things work. In this book, you'll find: A friendly introduction to DB2 Express Edition, an industrial-strength, relational database from IBM Dozens of examples so that you are never in doubt as to how things work Coverage of important language interfaces, such as from PHP, Ruby, C#, Python, and more The book is aimed at developers who want a robust database to back their applications.

Programming Concurrency on the JVM Jun 02 2021 More than ever, learning to program concurrency is critical to creating faster, responsive applications. Speedy and affordable multicore hardware is driving the demand for high-performing applications, and you can leverage the Java platform to bring these applications to life. Concurrency on the Java platform has evolved, from the synchronization model of JDK to software

transactional memory (STM) and actor-based concurrency. This book is the first to show you all these concurrency styles so you can compare and choose what works best for your applications. You'll learn the benefits of each of these models, when and how to use them, and what their limitations are. Through hands-on exercises, you'll learn how to avoid shared mutable state and how to write good, elegant, explicit synchronization-free programs so you can create easy and safe concurrent applications. The techniques you learn in this book will take you from dreading concurrency to mastering and enjoying it. Best of all, you can work with Java or a JVM language of your choice - Clojure, JRuby, Groovy, or Scala - to reap the growing power of multicore hardware. If you are a Java programmer, you'd need JDK 1.5 or later and the Akka 1.0 library. In addition, if you program in Scala, Clojure, Groovy or JRuby you'd need the latest version of your preferred language. Groovy programmers will also need GPar.

The Ant and the Elephant May 01 2021 Many creatures are helped when two animals refuse to conform to the laws of the jungle. Of all the animals the elephant rescues, only the tiny ant returns the favour.

Maximum PC Jan 21 2023 Maximum PC is the magazine that every computer fanatic, PC gamer or content creator must read. Each and every issue is packed with punishing product reviews, insightful and innovative how-to stories and the illuminating technical articles that enthusiasts crave.

Pentium Processor System Architecture Mar 19 2020 The design, operation, and technical strategy of the Pentium--both the how and the why.

EDM New Trucks Feb 27 2021 No haggling. No hassles. No headaches. It's as easy as one, two, three. This guide includes the MSRP and dealer invoice prices, standard and optional equipment, specifications and reviews, buying and leasing advice, preferred dealer locator and much more.

Slowly Sudden Oct 06 2021 The dinner with Emma was a gift after the tense period in Budapest. While eating, I looked at her face as she was talking, animated, relaxed, laughing, with short periods of seriousness. I

wished I could take pictures in those moments, moments that I had missed, moments that I usually miss. I often thought about my pictures, what sort of photographer was I? A portrait photographer? A journalist? In that moment, thinking of taking pictures of her while she was eating, of the way she closed her eyes with each bite, and laughed under the calming light in the room, I considered myself a photographer of moods. Mark works in a current affairs magazine as a photographer. He spends his time bickering and philosophising with his friends. Young to middle aged, Mark and his friends pass their moments avoiding commitments, shunning what goes on around them. There are times to make decisions often made through no action. Responsibilities dissolve in comfort, and emotions seem to be foreign phenomena in their life under illusion of personal liberty. Can this all change?

Running Linux Jul 15 2022 You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login

applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of *Running Linux* have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, *Running Linux* will provide expert advice just when you need it.

Beginning the Linux Command Line Jun 21 2020 This is Linux for those of us who don't mind typing. All Linux users and administrators tend to like the flexibility and speed of Linux administration from the command line in byte-sized chunks, instead of fairly standard graphical user interfaces. *Beginning the Linux Command Line* is verified against all of the most important Linux distributions, and follows a task-oriented approach which is distribution agnostic. Now this Second Edition of *Beginning the Linux Command Line* updates to the very latest versions of the Linux Operating System, including the new Btrfs file system and its management, and systemd boot procedure and firewall management with firewalld! Updated to the latest versions of Linux Work with files and directories, including Btrfs! Administer users and security, and deploy firewalld Understand how Linux is organized, to think Linux!

PC World Nov 07 2021

Efficient Processing of Deep Neural Networks Sep 17 2022 This book provides a structured treatment of the key principles and techniques for enabling efficient processing of deep neural networks (DNNs). DNNs are currently widely used for many artificial intelligence (AI) applications, including computer vision, speech recognition, and robotics. While DNNs deliver state-of-the-art accuracy on many AI tasks, it comes at the cost of high computational complexity. Therefore, techniques that enable efficient processing of deep neural networks to improve metrics—such as energy-efficiency, throughput, and latency—without sacrificing accuracy or increasing hardware costs are critical to enabling the wide

deployment of DNNs in AI systems. The book includes background on DNN processing; a description and taxonomy of hardware architectural approaches for designing DNN accelerators; key metrics for evaluating and comparing different designs; features of the DNN processing that are amenable to hardware/algorithm co-design to improve energy efficiency and throughput; and opportunities for applying new technologies. Readers will find a structured introduction to the field as well as a formalization and organization of key concepts from contemporary works that provides insights that may spark new ideas.

Electronics Buying Guide Feb 22 2023 This new edition is sure to help consumers select the right electronics product for their needs. Experts provide hundreds of smart ways to save money and find the best values in computers, plasma televisions, cell phones and service, cameras, DVD players, and more.

Synthesis Imaging in Radio Astronomy Dec 16 2019

The Deep Mixing Method Nov 26 2020 The Deep Mixing Method (DMM), a deep in-situ soil stabilization technique using cement and/or lime as a stabilizing agent, was developed in Japan and in the Nordic countries independently in the 1970s. Numerous research efforts have been made in these areas investigating properties of treated soil, behavior of DMM improved ground under static and d

PHP Object-Oriented Solutions Sep 05 2021 With the surge of popularity of PHP 5, object-oriented programming is now an important consideration for PHP developers. This version-neutral book is a gentle introduction to object-oriented programming (OOP) that won't overburden you with complex theory. It teaches you the essential basics of OOP that you'll need to know before moving onto a more advanced level, and includes a series of prepackaged scripts that you can incorporate into your existing sites with the minimum of effort. It shows how object-oriented programming can be used to create reusable and portable code by walking you through a series of simple projects. The projects feature the sorts of things developers run up against every day, and include a validator for filtering user input, a simple Date class that avoids the need to remember all the esoteric format codes in PHP, and

an XML generator. Teaches the fundamentals of OOP Simple projects

show how OOP concepts work in the real world Prepackaged scripts can easily be added to your own projects