

Wireless Home Networking For Dummies

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Teach Yourself Visually Wireless Networking - Todd W. Carter 2004

A guide to wireless computer networks cover such topics as installing hardware, configuring networks, creating computer-to-computer networks, administering wireless networks, and network security.

Wireless Network Administration A Beginner's Guide - Wale Soyinka 2010-08-05

Learn the essentials of wireless networking Configure, manage, and secure wireless networks using the step-by-step details in this practical resource. Wireless Network Administration: A Beginner's Guide shows you how to work with the latest wireless networking standards, including the 802.11x family, on Windows, Mac, and Linux platforms. The book covers wireless network planning, design, hardware, services, protocols, device configuration, security, troubleshooting, and more. This hands-on guide will get you started administering wireless networks in no time. Get details on regulatory and technical organizations Learn about different wireless standards and the basics of RF technologies Understand and determine client-side hardware requirements, including chipsets and various wireless interfaces Select infrastructure-side wireless hardware, such as antennas, wireless access points (WAPs), residential gateways, switches/controllers, routers, and bridges Learn about WLANs, WWANs, WMANs, and WPANs Work with standard wireless network protocols--TCP/IP (IPv4 and IPv6) Understand DNS, DHCP, and other supporting infrastructure services Secure wireless networks using cryptography Configure infrastructure devices, including a wireless access point device and wireless network switches and controllers Configure and manage wireless Microsoft Windows, Mac OS X, and Linux clients Plan, design, survey, deploy, and troubleshoot your wireless network

Hacking Wireless Networks For Dummies - Kevin Beaver 2011-05-09

Become a cyber-hero - know the common wireless weaknesses "Reading a book like this one is a worthy endeavor toward becoming an experienced wireless security professional." --Devin Akin - CTO, The Certified Wireless Network Professional(CWNP) Program Wireless networks are so convenient - not only for you, but also for those nefarious types who'd like to invade them. The only way to know if your system can be penetrated is to simulate an attack. This book shows you how, along with how to strengthen any weakspots you find in your network's armor. Discover how to: Perform ethical hacks without compromising a system Combat denial of service and WEP attacks Understand how invaders think Recognize the effects of different hacks Protect against war drivers and rogue devices

Wireless Home Networking Simplified - Jim Doherty 2012-01-10

Wireless Home Networking Simplified The full-color, fully illustrated, simple guide to wireless home networking Step-by-step instructions: Plan, install, secure, optimize, and troubleshoot your wireless network Discover all the fun things you can do with your wireless network Jim Doherty Neil Anderson Using today's wireless networks, you can save money, become more productive, and even have more fun! Now, there's an easy, fully illustrated step-by-step guide to wireless networking for your home: Wireless Home Networking Simplified. This plain-English guide teaches you everything you need to know to set up a wireless network at home, even if you do not have a technical background. You'll find simple, easy-to-follow guidance on selecting the right equipment, installing your network devices properly, connecting to the Internet, safeguarding your information, fixing problems, and much more. Understand how wireless home networks work Compare today's wireless standards, and choose the right one for you Design your wireless network for maximum convenience, reliability, and simplicity Secure your network, step by step--and keep it

secure Troubleshoot failed connections, poor coverage, and slow performance Temporarily allow guests onto your network without exposing your data Use your network to listen to music, view video, and play video games anywhere in your home Preview and prepare for tomorrow's wireless technologies Wireless Home Networking Simplified cuts through the confusion, demystifies the technologies, and helps you make the most of wireless... quickly, simply, painlessly. This book is part of the Networking Technology Series from Cisco Press®, the only authorized publisher for Cisco Systems®. Category: Networking Covers: Home Networking

Wireless Mesh Networks - Gilbert Held 2005-06-23

Wireless mesh networking is a new technology that has the potential to revolutionize how we access the Internet and communicate with co-workers and friends. Wireless Mesh Networks examines the concept and explores its advantages over existing technologies. This book explores existing and future applications, and examines how some of the networking

Home Networking Bible - Sue Plumley 2004-07-30

Everything you need to know to set up a home network Is a home network for you? This comprehensive guide cover everything from deciding what type of network meets your needs to setting up the hardware and software, connecting different operating systems, installing the necessary applications, managing the network, and even adding home entertainment devices. Fully updated with new material on all the latest systems and methods, it's just what you need to set up your network and keep it running safely and successfully. Inside, you'll find complete coverage of home networking * Compare the advantages and disadvantages of wired and wireless networks * Understand how to choose between workgroup and client/server networking * Learn how to install and set up cables and routers and how to install and configure networking software * Share files, printers, and a single Internet connection * Back up files and secure your network * Set up your own home intranet and understand the technologies involved in creating a Web page * Manage your network and learn to use tools for locating and repairing problems * Expand your home network to include your digital camera, scanner, TV, sound system, and even game consoles * Explore SmartHome technology that allows you to automate various household functions * Investigate how your network can enable tele-commuting and other remote access capabilities

Wireless Networking Technology - Stephen A. Rackley 2011-02-23

As the demand for higher bandwidth has led to the development of increasingly complex wireless technologies, an understanding of both wireless networking technologies and radio frequency (RF) principles is essential for implementing high performance and cost effective wireless networks. Wireless Networking Technology clearly explains the latest wireless technologies, covering all scales of wireless networking from personal (PAN) through local area (LAN) to metropolitan (MAN). Building on a comprehensive review of the underlying technologies, this practical guide contains 'how to' implementation information, including a case study that looks at the specific requirements for a voice over wireless LAN application. This invaluable resource will give engineers and managers all the necessary knowledge to design, implement and operate high performance wireless networks. · Explore in detail wireless networking technologies and understand the concepts behind RF propagation. · Gain the knowledge and skills required to install, use and troubleshoot wireless networks. · Learn how to address the problems involved in implementing a wireless network, including the impact of signal propagation on operating range,

equipment inter-operability problems and many more. · Maximise the efficiency and security of your wireless network.

[Ad Hoc Wireless Networking](#) - Xiuzhen Cheng 2004

Ad Hoc Wireless Networking is the next big thing in communication. This volume reveals the state-of-the-art of ad hoc wireless networking in addition to giving the fundamentals of routing protocols. It covers the topics of security, TCP performance over wireless links, power conservation, location discovery, scalability, proactivity, routing protocols, computational geometry, and more. The 15 self-contained chapters are authored by experts in wireless networking and mobile computing. Audience: Both specialists and uninformed readers will find this volume stimulating and helpful.

[Wi-Fi Home Networking Just the Steps For Dummies](#) - Keith Underdahl 2006-04-17

Wi-Fi Home Networking Just the Steps For Dummies is the way to go if you're ready to go wireless and install your own wireless home network. The book's easy-to-navigate design features two columns, with numbered step-by-step instructions on one side and corresponding illustrations, screen shots, or photos on the other. There's no fluff, just the vital stuff—Just The Steps you need to get up to speed fast. This guide covers common networking tasks, including: Setting up wireless access points and configuring your network Adding wireless devices to your network Activating Wi-Fi Security, managing firewalls, and preventing unauthorized network users You don't have to leave WI-Fi behind when you leave home; this practical reference tells you how to find public hotspots where you can use your Wi-Fi-equipped portable computer and how to network wirelessly with your pocket PC. It covers practical applications like creating a network bridge or adding wireless network storage, plus fun ways to use your tech toys to integrate and enhance your digital life, such as: Setting up a wireless media center so you can use a computer for streaming media, as a TV tuner, as a digital video recorder, or to integrate with your TV and home entertainment system Turning your pocket PC into a remote control Adding a wireless camera to your network Even if your current system with its cables, wires, and convoluted connections works, it's time to cut the cord. Going wireless gives you many advantages and new options. So take the first step—get this book.

Absolute Beginner's Guide to Wi-Fi Wireless Networking - Harold Davis 2004

Provides information on wireless networking, covering such topics as 802.11 standards, hotspots, and setting up a wireless network.

Wireless Home Networking For Dummies - Danny Briere 2011-02-08

Wireless home networks are better than ever! The emergence of new industry standards has made them easier, more convenient, less expensive to own and operate. Still, you need to know what to look for (and look out for), and the expert guidance you'll find in Wireless Home Networks For Dummies, 3rd Edition helps you ensure that your wire-free life is also a hassle-free life! This user-friendly, plain-English guide delivers all of the tips, tricks, and knowledge you need to plan your wireless home network, evaluate and select the equipment that will work best for you, install and configure your wireless network, and much more. You'll find out how to share your Internet connection over your network, as well as files, printers, and other peripherals. And, you'll learn how to avoid the "gotchas" that can creep in when you least expect them. Discover how to: Choose the right networking equipment Install and configure your wireless network Integrate Bluetooth into your network Work with servers, gateways, routers, and switches Connect audiovisual equipment to your wireless network Play wireless, multiuser computer games Establish and maintain your network's security Troubleshoot networking problems Improve network performance Understand 802.11n Whether you're working with Windows PCs, Mac OS X machines, or both Wireless Home Networking For Dummies, 3rd Edition, makes it fast and easy to get your wireless network up and running—and keep it that way!

[Wireless Home Networking For Dummies](#) - Danny Briere 2010-11-16

The perennial bestseller shows you how share your files and Internet connection across a wireless network Fully updated for Windows 7 and Mac OS X Snow Leopard, this new edition of this bestseller returns with all the latest in wireless standards and security. This fun and friendly guide shows you how to integrate your iPhone, iPod touch, smartphone, or gaming system into your home network. Veteran authors escort you through the various financial and logistical considerations that you need to take into account before

building a wireless network at home. Covers the basics of planning, installing, and using wireless LANs Reviews essential information on the latest security issues Delivers valuable tips on how to stay current with fast-moving technology Discusses how to share resources such as printers, scanners, an Internet connection, files, and more with multiple computers on one network Wireless Home Networking For Dummies, 4th Edition skips the technical jargon and gets you connected with need-to-know information on building a wireless home network.

Home Networking All-in-One Desk Reference For Dummies - Eric Geier 2011-03-03

If your household harbors more than one computer, you've probably wondered about home networking. Maybe you've gone so far as to start setting up a network and given up in frustration. Well, now you can relax. Home Networking All-In-One Desk Reference For Dummies has come to the rescue! A network will make your life easier, and Home Networking All-In-One Desk Reference For Dummies makes it easier to create one. It shows you how to choose the right hardware, add user accounts, get different operating systems to work together, secure your network, exchange files, add wireless devices, and even use Wi-Fi out in public. Seven individual, self-contained minibooks cover: What a network will do for you, including a low-tech explanation of how it works Choosing a network type that will work best for your needs, and planning what equipment you'll need Installing and configuring your computers and networking gear Upgrading your equipment with the manufacturer's updates The ins and outs of using particular versions of operating systems — Windows, Mac, and Linux — with your network Step-by-step directions on connecting to networks, sharing files and printers, checking connection status, and much more Discovering networking accessories and gadgets to get the most out of your network Finding and using Wi-Fi hotspots, plus setting up your own You'll even find troubleshooting tips to help find and fix common problems. Home Networking All-In-One Desk Reference For Dummies will be your personal network assistant!

[Wireless Network Security A Beginner's Guide](#) - Tyler Wrightson 2012-05-06

Security Smarts for the Self-Guided IT Professional Protect wireless networks against all real-world hacks by learning how hackers operate. Wireless Network Security: A Beginner's Guide discusses the many attack vectors that target wireless networks and clients--and explains how to identify and prevent them. Actual cases of attacks against WEP, WPA, and wireless clients and their defenses are included. This practical resource reveals how intruders exploit vulnerabilities and gain access to wireless networks. You'll learn how to securely deploy WPA2 wireless networks, including WPA2-Enterprise using digital certificates for authentication. The book provides techniques for dealing with wireless guest access and rogue access points. Next-generation wireless networking technologies, such as lightweight access points and cloud-based wireless solutions, are also discussed. Templates, checklists, and examples give you the hands-on help you need to get started right away. Wireless Network Security: A Beginner's Guide features: Lingo--Common security terms defined so that you're in the know on the job IMHO--Frank and relevant opinions based on the author's years of industry experience In Actual Practice--Exceptions to the rules of security explained in real-world contexts Your Plan--Customizable checklists you can use on the job now Into Action--Tips on how, why, and when to apply new skills and techniques at work This is an excellent introduction to wireless security and their security implications. The technologies and tools are clearly presented with copious illustrations and the level of presentation will accommodate the wireless security neophyte while not boring a mid-level expert to tears. If the reader invests the time and resources in building a lab to follow along with the text, s/he will develop a solid, basic understanding of what "wireless security" is and how it can be implemented in practice. This is definitely a recommended read for its intended audience. - Richard Austin, IEEE CIPHER, IEEE Computer Society's TC on Security and Privacy (E109, July 23, 2012)

Home Theater For Dummies - Danny Briere 2006-06-27

A low-tech way to understand a high-tech system! Create the home entertainment center that fits your home and your tastes Gadget fans, a home theater setup is the stuff your dreams are made of. This book keeps the dream from becoming a nightmare! Here's how to select, set up, and optimize a system, translate the salesperson's geek-speak, connect all the parts throughout your home, and even do cool stuff like accessing your system from your laptop computer. Discover how to * Choose the right space for your system * Select and connect source devices * Understand speakers, TV types, and remotes * Create a whole-home network * Access your system away from home

Networking All-in-One For Dummies - Doug Lowe 2021-04-06

Your ultimate one-stop networking reference Designed to replace that groaning shelf-load of dull networking books you'd otherwise have to buy and house, *Networking All-in-One For Dummies* covers all the basic and not-so-basic information you need to get a network up and running. It also helps you keep it running as it grows more complicated, develops bugs, and encounters all the fun sorts of trouble you expect from a complex system. Ideal both as a starter for newbie administrators and as a handy quick reference for pros, this book is built for speed, allowing you to get past all the basics—like installing and configuring hardware and software, planning your network design, and managing cloud services—so you can get on with what your network is actually intended to do. In a friendly, jargon-free style, Doug Lowe—an experienced IT Director and prolific tech author—covers the essential, up-to-date information for networking in systems such as Linux and Windows 10 and clues you in on best practices for security, mobile, and more. Each of the nine minibooks demystifies the basics of one key area of network management. Plan and administrate your network Implement virtualization Get your head around networking in the Cloud Lock down your security protocols The best thing about this book? You don't have to read it all at once to get things done; once you've solved the specific issue at hand, you can put it down again and get on with your life. And the next time you need it, it'll have you covered.

Wireless Networking - Anurag Kumar 2008-05-09

Over the past decade, the world has witnessed an explosion in the development and deployment of new wireless network technologies. From cellular mobile telephony to the ubiquitous "WiFi networks in coffee-shops and airports, to the emerging WiMAX wireless broadband access networks, the menu of wireless access systems has become so comprehensive that wireline access to user devices may soon become a relic of the past. *Wireless Networking* serves as a one-stop view of cellular, WiFi, and WiMAX networks, as well as the emerging wireless ad hoc and sensor networks. Rather than provide descriptive accounts of these technologies and standards, the book emphasizes conceptual perspectives on the modeling, analysis, design and optimization of such networks. Furthermore, the authors present wireless networking within the unifying framework of resource allocation, using simple abstractions of the underlying physical wireless communication. In short, *Wireless Networking* is an in-depth, exhaustive, and invaluable asset to anyone working in this rapidly evolving field. Goes beyond descriptive and qualitative treatments, by presenting the foundations underlying the various wireless networking technologies Provides abstractions, models and analyses of established and emerging wireless networks, thereby supplying the reader with a conceptual and quantitative treatment, thus ensuring longevity of the learning from this material Aids comprehension by including over 120 figures, four appendices on the mathematics of the various models, several inline exercises, and extensive problem sets at the end of each chapter

Building Wireless Community Networks - Rob Flickenger 2003

Building Wireless Community Networks is about getting people online using wireless network technology. The 802.11b standard (also known as WiFi) makes it possible to network towns, schools, neighborhoods, small business, and almost any kind of organization. All that's required is a willingness to cooperate and share resources. The first edition of this book helped thousands of people engage in community networking activities. At the time, it was impossible to predict how quickly and thoroughly WiFi would penetrate the marketplace. Today, with WiFi-enabled computers almost as common as Ethernet, it makes even more sense to take the next step and network your community using nothing but freely available radio spectrum. This book has showed many people how to make their network available, even from the park bench, how to extend high-speed Internet access into the many areas not served by DSL and cable providers, and how to build working communities and a shared though intangible network. All that's required to create an access point for high-speed Internet connection is a gateway or base station. Once that is set up, any computer with a wireless card can log onto the network and share its resources. Rob Flickenger built such a network in northern California, and continues to participate in network-building efforts. His nuts-and-bolts guide covers: Selecting the appropriate equipment Finding antenna sites, and building and installing antennas Protecting your network from inappropriate access New network monitoring tools and techniques (new) Regulations affecting wireless deployment (new) IP network administration, including DNS and IP Tunneling (new) His expertise, as well as his sense of humor and enthusiasm for the topic, makes *Building*

Wireless Community Networks a very useful and readable book for anyone interested in wireless connectivity.

The Book of Wireless, 2nd Edition - John Ross 2008

Discusses the process of setting up and using a home or office wireless network, covering topics such as point-to-point networking, sniffer tools, and security.

ZigBee Wireless Networking - Drew Gislason 2008-10-09

ZigBee is a standard based on the IEEE 802.15.4 standard for wireless personal networks. This standard allows for the creation of very low cost and low power networks - these applications run for years rather than months. These networks are created from sensors and actuators and can wireless control many electrical products such as remote controls, medical, industrial, and security sensors. Hundreds of companies are creating applications including Mitsubishi, Motorola, Freescale, and Siemens. This book is written for engineers who plan to develop ZigBee applications and networks, to understand how they work, and to evaluate this technology to see if it is appropriate to a particular project. This book does not simply state facts but explains what ZigBee can do through detailed code examples. *Details how to plan and develop applications and networks *Zigbee sensors have many applications including industrial automation, medical sensing, remote controls, and security *Hot topic for today's electrical engineer because it is low cost and low power

Wireless Networking Absolute Beginner's Guide - Michael Miller 2013-02-08

Make the most of your wireless network...without becoming a technical expert! This book is the fastest way to connect all your wireless devices, get great performance with everything from streaming media to printing, stay safe and secure, and do more with Wi-Fi than you ever thought possible! Even if you've never set up or run a network before, this book will show you how to do what you want, one incredibly clear and easy step at a time. Wireless networking has never, ever been this simple! Who knew how simple wireless networking could be? This is today's best beginner's guide to creating, using, troubleshooting, and doing more with your wireless network...simple, practical instructions for doing everything you really want to do, at home or in your business! Here's a small sample of what you'll learn:

- Buy the right equipment without overspending
- Reliably connect Windows PCs, Macs, iPads, Android tablets, game consoles, Blu-ray players, smartphones, and more
- Get great performance from all your networked devices
- Smoothly stream media without clogging your entire network
- Store music and movies so you can play them anywhere in your home
- Keep neighbors and snoopers out of your network
- Share the files you want to share—and keep everything else private
- Automatically back up your data across the network
- Print from anywhere in the house—or from anywhere on Earth
- Extend your network to work reliably in larger homes or offices
- Set up a "guest network" for visiting friends and family
- View streaming videos and other web content on your living room TV
- Control your networked devices with your smartphone or tablet
- Connect to Wi-Fi hotspots and get online in your car
- Find and log onto hotspots, both public and hidden
- Quickly troubleshoot common wireless network problems

Michael Miller is the world's #1 author of beginning computer books. He has written more than 100 best-selling books over the past two decades, earning an international reputation for his friendly and easy-to-read style, practical real-world advice, technical accuracy, and exceptional ability to demystify complex topics. His books for Que include *Computer Basics Absolute Beginner's Guide*; *Facebook for Grown-Ups*; *My Pinterest*; *Ultimate Digital Music Guide*; *Speed It Up! A Non-Technical Guide for Speeding Up Slow PCs*, and *Googlepedia: The Ultimate Google Resource*.
Category: Networking Covers: Wireless Networking User Level: Beginning

Wireless All In One For Dummies - Loyd Case 2009-12-02

Presents an overview of wireless home computer networks and provides instructions on such topics as installing an adapter, configuring the network, providing security, troubleshooting, and setting up an entertainment system.

Networking for Beginners - John Medicine 2019-11-19

Do you want to learn how to set up a new network for your home or business place and get the best performance of your network? Do you want to learn about Network Mode Security? If so then keep reading. In this tech-savvy world of today, everyone is looking out for speed in their life. There were days when a single message used to take many days to get delivered to the recipient. Today, with the advent of

networking and the internet, people can easily send out data packets of their need. The various forms of internet communication have also changed the whole concept of communication across a long distance. Networking has adapted the concepts of wireless functioning which have helped in wiping out various redundancies. The wired form of network is still in use owing to its special features and working capabilities. Networking is a complex concept and if done right it can do wonders. Having a brief overview of the networking concepts is very essential for setting up a new network or for improving the functionality of an existing network. The chapters of this book have been arranged in a very unique way that will provide you with the answers to all your questions regarding networking and all that you need for creating a new network. You will learn: The basic format of networking The successful networking processes The master controller who holds all necessary information required by the recipient The necessary components of networking The types of networks Wireless Networking Peer to Peer Connection OSI Model Network Mode Security Circuit and Packet Switching FTP - File Transfer Protocol ...and more! You need to start from the very beginning in order to set up a brand new network. It might turn out to be a tiresome job but try to stay attentive at each and every step you take as even a slight mistake or error can make a network non-functional. So, if you are interested in the various aspects of Networking along with its various components, **Networking for Beginners: The Complete Guide to Computer Network Basics, Wireless Technology and Network Security** is something that you really need to possess. Scroll up and click the Buy Now button and feel like a master of networking within a few days!

Guide to Wireless Sensor Networks - Sudip Misra 2009-05-29

Overview and Goals Wireless communication technologies are undergoing rapid advancements. The last few years have experienced a steep growth in research in the area of wireless sensor networks (WSNs). In WSNs, communication takes place with the help of spatially distributed autonomous sensor nodes equipped to sense specific information. WSNs, especially the ones that have gained much popularity in the recent years, are, typically, ad hoc in nature and they inherit many characteristics/features of wireless ad hoc networks such as the ability for infrastructure-less setup, minimal or no reliance on network planning, and the ability of the nodes to self-organize and self-configure without the involvement of a centralized network manager, router, access point, or a switch. These features help to set up WSNs fast in situations where there is no existing network setup or in times when setting up a fixed infrastructure network is considered infeasible, for example, in times of emergency or during relief operations. WSNs find a variety of applications in both the military and the civilian population worldwide such as in cases of enemy intrusion in the battlefield, object tracking, habitat monitoring, patient monitoring, fire detection, and so on. Even though sensor networks have emerged to be attractive and they hold great promises for our future, there are several challenges that need to be addressed. Some of the well-known challenges are attributed to issues relating to coverage and deployment, scalability, quality-of-service, size, computational power, energy efficiency, and security.

Networking for Beginners - Russell Scott 2021-02

Do you want to find out how a computer network works? Do you want to understand what it all takes to keep a home or office network up and running? This book is all you need! It will help you navigate your way to becoming proficient with network fundamentals and technology. When the first computers were built during the Second World War, they were expensive and isolated. However, after about twenty years, as their prices gradually decreased, the first experiments began to connect computers together. At the time, sharing them over a long distance was an interesting idea. Computers and the Internet have changed this world and our lifestyle forever. We just need to touch a small button and within a fraction of a second, we can make a call, send a file or video message. The major factor that lies behind this advanced technology is none other than computer network. That's why it's important to know how it works! **Networking for Beginners** covers the following topics: **Networking Basics** - This chapter considers the needs of a real beginner in computer networking and covers the following crucial topics: definition of computer networking, types of computer networks, network topologies, and network architecture. **Network Hardware** - A comprehensive discussion on different network components that include routers, hubs, switches, etc. **Network Cabling** - This chapter discusses the different cabling standards include coaxial, fiber optic cable, and twisted-pair copper cable. **Wireless Networking** - Fundamental technicalities of wireless technology

that is of great significance to the entire computer networking discipline. This chapter offers important information on how to enjoy the benefits of Wi-Fi technology and how to set up and configure a computer for wireless connectivity. **IP Addressing** - This chapter pays great attention to the basics of IP addressing, and the different number systems (binary, decimal, and hexadecimal) **IP Subnetting** - Introduction to concepts of subnetting. **Network Protocols** - Various protocols of the TCP/IP suite. **Internet Essentials** - Different terminologies regarding the Internet, the worldwide web, and the history of the Internet. **Virtualization in cloud computing** - Concept of virtualization, its relevance in computer networking, and an examination of cloud services. **Network Troubleshooting** - This chapter considers troubleshooting as a top management function. **NETWORKING FOR BEGINNERS** is an easy-to-read book for anyone hungry for computer networking knowledge. The language used is simple, and even the very technical terms that pop from time to time have been explained in a way that is easy to understand.

Wireless Network Hacks and Mods For Dummies - Danny Briere 2005-09-19

Fun projects and valuable content join forces to enable readers to turn their wireless home network into a high-performance wireless infrastructure capable of entertainment networking and even home automation. Step-by-step instructions help readers find, buy, and install the latest and greatest wireless equipment. The authors are home tech gurus and offer detailed discussion on the next-generation wireless gear that will move the wireless LAN beyond computers and into telephony, entertainment, home automation/control, and even automotive networking. The number of wireless LAN users in North America is expected to grow from 4.2 million current users to more than 31 million by 2007.

Smart Homes For Dummies - Danny Briere 2011-02-09

Do you long to listen to your favorite CD from anywhere in your house? To set up a wireless network so you can access the Internet in any room? To install an iron-clad security system? To fire up the coffee pot while you're still asleep and wake up with automated lighting? Smart home technology can help you do just that! **Smart Homes For Dummies, Third Edition**, shows you how easy it can be to create and live in a cutting-edge, fully connected home—without breaking your bank account. With this user-friendly guide, you'll discover all the latest trends and gadgets in home networking, automation, and control that will help you make life more enjoyable and comfortable for your entire family. We help you plan for things such as flat-screen TVs, intercom systems, whole-home audio systems, gaming consoles, and satellite systems. We talk about your wiring (and wireless) options and introduce you to the latest technologies, such as VoIP and Bluetooth. You'll see how to: Build your home network on a budget Turn your home into an entertainment center Access the Internet from any room Get VoIP on your phone network Boost in-home wireless and cell phone signals Connect your computer to your TV Secure your home and property Increase your home's resale value Avoid common networking pitfalls And much, much more Complete with a resource list for more information and neat toys of the future, **Smart Homes For Dummies** is your plain-English, twenty-first century guide to a fully wired home!

Networking Explained - Michael Gallo 2001-12-17

Networking Explained 2e offers a comprehensive overview of computer networking, with new chapters and sections to cover the latest developments in the field, including voice and data wireless networking, multimedia networking, and network convergence. Gallo and Hancock provide a sophisticated introduction to their subject in a clear, readable format. These two top networking experts answer hundreds of questions about hardware, software, standards, and future directions in network technology. **Wireless networks** Convergence of voice and data Multimedia networking **Networking For Dummies** - Doug Lowe 2020-07-14

Set up a secure network at home or the office Fully revised to cover Windows 10 and Windows Server 2019, this new edition of the trusted **Networking For Dummies** helps both beginning network administrators and home users to set up and maintain a network. Updated coverage of broadband and wireless technologies, as well as storage and back-up procedures, ensures that you'll learn how to build a wired or wireless network, secure and optimize it, troubleshoot problems, and much more. From connecting to the Internet and setting up a wireless network to solving networking problems and backing up your data—this #1 bestselling guide covers it all. Build a wired or wireless network Secure and optimize your network Set up a server and manage Windows user accounts Use the cloud—safely Written by a seasoned technology

author—and jam-packed with tons of helpful step-by-step instructions—this is the book network administrators and everyday computer users will turn to again and again.

Networking For Dummies - Doug Lowe 2020-07-21

Set up a secure network at home or the office Fully revised to cover Windows 10 and Windows Server 2019, this new edition of the trusted Networking For Dummies helps both beginning network administrators and home users to set up and maintain a network. Updated coverage of broadband and wireless technologies, as well as storage and back-up procedures, ensures that you'll learn how to build a wired or wireless network, secure and optimize it, troubleshoot problems, and much more. From connecting to the Internet and setting up a wireless network to solving networking problems and backing up your data—this #1 bestselling guide covers it all. Build a wired or wireless network Secure and optimize your network Set up a server and manage Windows user accounts Use the cloud—safely Written by a seasoned technology author—and jam-packed with tons of helpful step-by-step instructions—this is the book network administrators and everyday computer users will turn to again and again.

Networking All-in-One Desk Reference For Dummies - Doug Lowe 2004-01-20

An essential one-stop resource-nine convenient minibooks in a single 840page volume-for network administrators everywhere This value-priced package includes sections on networking basics, building a network, network administration, TCP/IP and the Internet, wireless and home networking, Windows 2000 and 2003 servers, NetWare 6, Linux networking, and Mac OS X networking Written by the author of the perennial bestseller Networking For Dummies (0-7645-1677-9), this massive reference covers all the topics that administrators routinely handle Provides key information, explanations, and procedures for configuration, Internet connectivity, security, and wireless options on today's most popular networking platforms

Networking: A Beginner's Guide, Sixth Edition - Bruce Hallberg 2013-10-15

Featuring step-by-step instructions for installing; configuring; and managing Windows Server 2012; Exchange Server 2013; Oracle Linux; and Apache; this practical resource discusses wired and wireless network design; configuration; hardware; protocols; security; backup; recovery; and virtualization. --

Home Networking Do-It-Yourself For Dummies - Lawrence C. Miller 2011-04-19

Step by step guide to connecting all your electronic devices into one network A home network allows you to share Internet connections, photos, video, music, game consoles, printers, and other electronic gadgets. This do-it-yourself guide shows you step by step how to create a wired or wireless network in your home. In the For Dummies tradition of making technology less intimidating, Home Networking Do-It-Yourself For Dummies breaks down the process into easy steps with clear instructions. Increasing broadband speeds, cellular technology, the explosive growth of iPhone sales, and the new Home Group feature in Windows 7 all contribute to a booming interest in home networking This step-by-step guide walks do-it-yourselfers through the process of setting up a wired or wireless network with Windows 7 and Windows Vista Demonstrates how to connect desktops or laptops, printers, a home server, a router, high-speed Internet access, a video game system, a telephone line, and entertainment peripherals Shows how to share files, music, and video, and connect to an iPhone Provides maintenance and troubleshooting tips Home Networking Do-It-Yourself For Dummies enables you to take advantage of everything a home network can offer without hiring a technology wizard.

802.11 Wireless Networks: The Definitive Guide - Matthew S. Gast 2005-04-25

As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain. The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start. This updated edition covers everything you'll ever need to know about wireless technology. Designed

with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Home Networking - Scott Lowe 2005-07

Explores the benefits of a home networking system--both wireless and wired--from the process of setting up through administration, with a special section on how readers can cable their home without destroying it. Original. (All users)

Home Networking For Dummies - Kathy Ivens 2007-06-18

Having a network in your home increases work efficiency and minimizes confusion. If you want to set up a network in your home but you're not quite sure where to start, then Home Networking for Dummies makes it easy for you to become your household's network administrator. Now fully updated with information on the newest technology in networking available, this quick and to-the-point walkthrough will show you how to install Web connections in your entire home, whether by wires, cables, or WiFi. This resourceful guide illustrates: Planning and installing your network The differences between Ethernet cable, phone lines, and wireless technology Configuring computer sharing Setting up and managing users Installing, managing, and troubleshooting the network printer Understanding UNC format, mapping drives, and traveling on the network Working with remote files Securing your network from viruses, spyware, and other baddies Along with the basics, this book introduces fun ways to use your network, including sharing music, keeping shopping lists, creating photo albums, setting up a family budget, and instant messaging. It also provides ways to keep your network safe for kids, such as talking to your child about the Internet, creating site filters, and ISP E-mail filtering features. With this trusty guide your home will be fully connected and you'll be working more efficiently in no time!

Networking For Dummies - Doug Lowe 2016-05-06

The #1 bestselling beginner's guide to computer networking—now in a new edition Need networking know-how, but don't know where to turn? Run—don't walk—to the no-nonsense networking guidance offered in this friendly guide! Whether you're a networking administrator or an everyday computer user looking to set up a network in your home or office, Networking For Dummies seamlessly gets you connected with the basics and gives you the knowledge to work out whatever kinks may come your way—in no time. A network can make everything in your home or office run more smoothly and easily, but setting one up can be challenging for even the most computer-savvy people. Well, relax—this bestselling guide has you covered! Inside, you'll find step-by-step instructions on setting up and maintaining a network, working with broadband and wireless technologies, ensuring you're following best practices with storage and back-up procedures, building a wired or wireless network, and much more. Set up a network for all major operating systems Secure, optimize, and troubleshoot your network Create an intranet and use the Cloud safely Make sense of the latest updates to Windows 10 Don't let a thorny networking issue get the best of you! Heed the simple guidance in this friendly guide and effectively network your way to more effective shared data and resources.

Designing A Wireless Network - Syngress 2001-07-22

Business is on the move - mobile computing must keep up! Innovative technology is making the communication between computers a cordless affair. Mobile computing with laptops, hand helds and mobile phones is increasing the demand for reliable and secure wireless networks. Network engineers and consultants need to create and build cutting-edge wireless networks in both the small business and multi-million dollar corporations. Designing Wireless Networks provides the necessary information on how to design and implement a wireless network. Beginning with detailed descriptions of the various implementations and architectures of wireless technologies and moving to the step-by-step instructions on how to install and deploy a fixed wireless network; this book will teach users with no previous wireless

networking experience how to design and build their own wireless network based on the best practices of the Enhanced Services from Lucent Technologies. * Timely coverage of new technologies: Communication without cables is the future of networking * Advocates wireless networking solutions for any user, regardless of location, device or connection. * Written by Experts. The authors are leading WAN authorities at Lucent Technologies. * No previous wireless experience is assumed, however, readers should have a basic understanding of networking and TCP/IP protocols

Wireless Networks For Dummies - Barry D. Lewis 2004-10-27

You've probably heard the expression, "It's time to cut the cord." Well, it may be time to "cut the cables" at your office and free yourself from your desk and computer. Wireless networks are the waves of the future—literally. Wireless Networks For Dummies guides you from design through implementation to ongoing protection of your system and your information so you can: Remain connected to the office in airports and hotels Access the Internet and other network resources in the lunchroom, conference room, or anywhere there's an access point Use your PDA or laptop to query your database from the warehouse or the boardroom Check e-mail wirelessly when you're on the road Get rid of the cable clutter in your office Wireless Networks For Dummies was coauthored by Barry D. Lewis, CISSP, and Peter T. Davis, who also coauthored Computer Security For Dummies. Barry Lewis is president of an information security consulting firm and an internationally known leader of security seminars. Peter Davis is founder of a firm specializing in the security, audit, and control of information. Together, they cut through the cables, clutter, and confusion and help you: Get off to a quick start and get mobile with IrDA (Infrared Data Association) and Bluetooth Perform a site survey and select the right standard, mode, access point, channel and antenna Check online to verify degree of interoperability of devices from various vendors Install clients and set up roaming Combat security threats such as war driving, jamming, hijacking, and man-in-the-middle attacks Implement security and controls such as MAC (Media Access Control) and protocol filtering, WEP (Wireless Equivalent Privacy), WPA, (Wi-Fi Protected Access), EAP (Extensible Authentication Protocol), and VPN (Virtual Private Network) Set up multiple access points to form a larger wireless network Complete with suggestions of

places to get connected, Web sites where you can get more information, tools you can use to monitor and improve security, and more, Wireless Networks For Dummies helps you pull the plug and go wireless!

Wireless Networks - Georgios I. Papadimitriou 2003-04-11

Wireless is a term used to describe telecommunications in which electromagnetic waves (rather than some form of wire) carry the signal over part or all of the communication path and the network is the totality of switches, transmission links and terminals used for the generation, handling and receiving of telecoms traffic. Wireless networks are rapidly evolving, and are playing an increasing role in the lives of people throughout the world and ever-larger numbers of people are relying on the technology directly or indirectly. The area of wireless communications is an extremely rich field for research, due to the difficulties posed by the wireless medium and the increasing demand for better and cheaper services. As the wireless market evolves, it is likely to increase in size and possibly integrate with other wireless technologies, in order to offer support for mobile computing applications, of perceived performance equal to those of wired communication networks. Wireless Networks aims to provide an excellent introductory text covering the wireless technological alternatives offered today. It will include old analog cellular systems, current second generation (2G) systems architectures supporting voice and data transfer and also the upcoming world of third generation mobile networks. Moreover, the book features modern wireless technology topics, such as Wireless Local Loops (WLL), Wireless LANs, Wireless ATM and Personal Area Networks (such as Bluetooth). * Provides an easy to use reference which presents a clear set of technologies per chapter * Features modern wireless technology topics, such as Wireless Local Loops (WLL), Wireless LANs, Wireless ATM, Personal Area Networks (such as Bluetooth) and Ad-hoc wireless networks * Progresses through the developments of first, second, third, fourth generation cellular systems and beyond * Includes helpful simulation examples and examples of algorithms and systems Essential reading for Senior undergraduate and graduate students studying computer science, telecommunications and engineering, engineers and researchers in the field of wireless communications and technical managers and consultants.