

Wifi

Abdulkaki Uzun

How Does WiFi Work? Matt Aniss, 1900-01-01 Even though computer wireless networks haven't been around for very long, the basic technology used to create them is more than 100 years old. WiFi uses radio waves to send and receive data and connect smartphones, tablets, and computers to the Internet. Today, almost everywhere you go has WiFi, including schools, coffee shops, and the library. The inner workings of this ubiquitous technology will fascinate readers, who probably use it every day. Accompanied by full-color photos, the main content will introduce innovators like Nikola Tesla and other electronics history, as well as the future possibilities of wireless connection.

DiY WiFi: Re-imagining Connectivity K. Jungnickel, 2013-12-19 Based on extensive fieldwork, Jungnickel's research into community WiFi networking explores the innovative digital cultures of ordinary people making extra-ordinary things. Committed to making 'ournet, not the internet', these digital tinkerers re-inscribe wireless broadband technology with new meanings and re-imagined possibilities of use.

There's No WiFi on the Prairie Nicholas O. Time, 2017-01-31 Includes an excerpt from In due time: Hang ten for dear life!

WiFi, WiMAX, and LTE Multi-hop Mesh Networks Hung-Yu Wei, Jarogniew Rykowski, Sudhir Dixit, 2013-03-05 Wifi, WiMAX, and Cellular Multihop Networks presents an overview of WiFi-based and WiMAX-based multihop relay networks. As the first text to cover IEEE 802.16j multihop hop relay technology, this revolutionary resource explores the latest advances in multi-hop and ad-hoc networking. Not only does this reference provide the technological aspects, but also the applications for the emerging technology and architectural issues. Ranging from introductory material to advanced topics, this guidebook is essential for engineers, researchers, and students interested in learning more about WiFi and WiMAX multihop relay networks.

How To Hack A WiFi Hardik Saxena, 2015-04-24 This book provided you to hack a WiFi. So, download this book. Not having a WiFi connection but your friends are having it so just read this book and steal your friends WiFi and use all social networking websites and all knowledge based websites freely by stealing or you can say that by reading and understanding new techniques for using WiFi of someone hope you will enjoy this book it is simple easy and useful

Cantenna - The poor Wifi-Hackers choice Sven-Erik Zetterström, 2016-10-13 In this short book we will teach you how to construct a cantenna, and we will test it at a distance to see how well it performs. The book is full of pictures and describes in detail with measurements in the metric scale

Signal Interference in WiFi and ZigBee Networks Gaotao Shi, Keqiu Li, 2016-10-24 This book systematically summarizes the fundamentals of WiFi and ZigBee from different levels and provides the detailed theoretical and experimental results for signal interference between these two wireless data transmission technologies. The existing mechanisms and methods of interference mitigation, avoidance and co-existence are carefully explored. Both collaboration and cross-technology communication between WiFi and ZigBee are also introduced as key research trends. Due to the popularity of WiFi and ZigBee, which share the same ISM frequency band, interference is a common problem and addressed in a wide range of literature. This book condenses the newest research results into an approachable format. This is an essential resource for professionals and students in wireless networks as well as network engineers, designers, or planners seeking a backbone of knowledge in WiFi and ZigBee networks.

Arduino MKR WIFI 1010 Development Workshop Agus Kurniawan, Arduino MKR WIFI 1010 is a new Arduino board with WiFi capability that enables to build IoT application. This book helps you to get started with Arduino MKR WIFI 1010. The following is a list of topics in this book. * Setting up Development Environment * Sketch Programming * Working with SPI * Working with I2C * Arduino WiFi Networking * Working with Internal RTC and Sleep Mode

Wifi Technology: Advances and Applications Jacob Davis, 2018-05-25 Today, life in many parts of the world cannot be imagined without Wifi

technology. It has made the experience of Internet very unique and convenient. Wifi technology is wireless local area networking. It enables devices like smartphones, laptops, digital cameras, computers, modern printers, tablets, etc. to access Internet through wireless access point. This book presents the complex subject of Wifi technology in the most comprehensible and easy to understand language. It is compiled in such a manner, that it will provide in-depth knowledge about the theory and practice of the subject. Coherent flow of topics, student-friendly language and extensive use of examples make this textbook an invaluable source of knowledge.

Hacking John Smith,2016-09-04 Use These Techniques to Immediately Hack a Wi-Fi Today Ever wondered how easy it could be to hack your way into someone's computer?Ever wanted to learn how to hack into someone's password-protected WiFi?Written with the beginner in mind, this new book looks at something which is a mystery to many. Set out in an easy-to-follow and simple format, this book will teach you the step by step techniques needed and covers everything you need to know in just 5 concise and well laid out chapters; Wi-Fi 101 Ethical Hacking Hacking It Like A Villain - WEP-Protected Networks Hacking It Like A Villain - WPA-Protected Networks Basic Hacking-ology Terms But this isn't just a guide to hacking. With a lot of focus on hackers continuously working to find backdoors into systems, and preventing them from becoming hacked in the first place, this book isn't just about ways to break into someone's WiFi, but gives practical advice too. And with a detailed section at the end of book, packed with the most common terminologies in the hacking community, everything is explained with the novice in mind.Happy hacking!John.

Meng. Wifi,hotspot,lan & Sharinginternet ,

Wi-Fi for the Enterprise Nathan J. Muller,2003-03-22 The suite of WiFi standards has solidified this year and no license is required for setting up a WiFi network. From the technical standpoint, it's easy and cheap to install one in your corporate network. Already there are over 300 (and climbing) WiFi certified products on the market. Expansion into the enterprise is proceeding at a rapid pace, with the market projected at \$1 billion by year-end 2002. Despite the simplicity of the technology, IT is discovering that numerous problems accompany a WiFi integration project, not the least of which is security. This book is designed to drill down to the practical aspects of building the network to interoperate with the technology your company has already deployed.

Wifi and Romex Michael Lucas,2015-12-14 Midnight at the datacenter. Crimping cable, testing circuits, and- -dodging bullets? Toby just wants to finish tonight's install and go home, but gunfire and spilled blood mean he might never go home again. But one gunman turns into a team. Hostages. And stakes higher than Toby's ever faced. One cable monkey versus an assault team? Time to fight like a nerd.

WiFi signal-based user authentication Jiadi Yu,Hao Kong,Linghe Kong,2023-10-16 As a privacy-preserving and illumination-robust manner, WiFi signal-based user authentication has become a new direction for ubiquitous user authentication to protect user privacy and security. It gradually turns into an important option for addressing the security concern of IoT environment. However, due to the limited sensing capability of WiFi signals and wide application scenarios, WiFi signal-based user authentication suffers from practical issues of diversified behaviors and complex scenarios. Therefore, it is necessary to address the issues and build integrated systems for user authentication using WiFi signals. In this book, the development and progress of WiFi signal-based user authentication systems in extensive scenarios are presented, which provides a new direction and solution for ubiquitous security and privacy protection. This book gives strong motivation of leveraging WiFi signals to sense human activities for user authentication, and presents the key issues of WiFi-based user authentication in diversified behaviors and complex scenarios. This book provides the approaches for digging WiFi signals to sense human activities and extract features, realizing user authentication under fine-grained finger gestures, undefined body gestures, and multi-user scenarios. State-of-the-art researches and future directions involved with WiFi signal-based user authentication are presented and discussed as well. This book will benefit researchers and practitioners in the related field.

Waves of Connection: Navigating the WiFi Realm M.A Hanif,2023-09-26 Embark on a captivating journey through the invisible threads that connect our digital lives with 'WiFi Unleashed: Navigating the Wireless World.' In this comprehensive exploration of WiFi technology, you'll unravel the mysteries of the airwaves, from the early days of wireless communication to the cutting-edge innovations that shape our connected future. Discover the remarkable evolution of WiFi standards, witness the spectrum wars that define its boundaries, and explore the intricate world of WiFi security. From the IoT era to smart cities, WiFi is the heartbeat of our digital age, connecting homes, cities, and industries in unprecedented ways. With in-depth chapters that take you from the basics to the most advanced applications, 'WiFi Unleashed' equips you with the knowledge to master your home network, optimize large-scale deployments, and navigate the complex intersection of WiFi technology and health. Whether you're a tech enthusiast, IT professional, or curious reader, this book offers a comprehensive guide to the wireless world. Join us on this wireless odyssey and uncover the boundless possibilities and challenges of WiFi technology. Your WiFi journey begins here.

DiY WiFi: Re-imagining Connectivity K. Jungnickel,2013-12-19 Based on extensive fieldwork, Jungnickel's research into community WiFi networking explores the innovative digital cultures of ordinary people making extra-ordinary things. Committed to making 'ournet, not the internet', these digital tinkerers re-inscribe wireless broadband technology with new meanings and re-imagined possibilities of use.

Lady Wifi Fiona Harris,2019-05-09 Read Along or Enhanced eBook: When Alya is wrongfully suspended from school she is transformed into the cyber villain Lady Wifi, with a mission to expose Ladybug's true identity. Will Ladybug be able to disconnect Lady Wifi's plan before it's too late?

Arduino UNO WiFi Development Workshop Agus Kurniawan, This book helps you to get started with Arduino UNO WiFi board. It explores how to upload the sketch program over WiFi. The following is highlight topics in this book: * Setting up Development Environment * Sketch Programming * Working with SPI * Working with I2C * Working with Arduino Firmata * Arduino WiFi Networking * Arduino Programming over WiFi (OTA)

Semantic Modeling and Enrichment of Mobile and WiFi Network Data Abdulbaki Uzun,2018-07-20 This book discusses the fusion of mobile and WiFi network data with semantic technologies and diverse context sources for offering semantically enriched context-aware services in the telecommunications domain. It presents the OpenMobileNetwork as a platform for providing estimated and semantically enriched mobile and WiFi network topology data using the principles of Linked Data. This platform is based on the OpenMobileNetwork Ontology consisting of a set of network context ontology facets that describe mobile network cells as well as WiFi access points from a topological perspective and geographically relate their coverage areas to other context sources. The book also introduces Linked Crowdsourced Data and its corresponding Context Data Cloud Ontology, which is a crowdsourced dataset combining static location data with dynamic context information. Linked Crowdsourced Data supports the OpenMobileNetwork by providing the necessary context data richness for more sophisticated semantically enriched context-aware services. Various application scenarios and proof of concept services as well as two separate evaluations are part of the book. As the usability of the provided services closely depends on the quality of the approximated network topologies, it compares the estimated positions for mobile network cells within the OpenMobileNetwork to a small set of real-world cell positions. The results prove that context-aware services based on the OpenMobileNetwork rely on a solid and accurate network topology dataset. The book also evaluates the performance of the exemplary Semantic Tracking as well as Semantic Geocoding services, verifying the applicability and added value of semantically enriched mobile and WiFi network data.

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ubiquitous technology will fascinate readers, who probably use it every day. Accompanied by full-color photos, the main content will introduce innovators like Nikola Tesla and other electronics history, as well as the future possibilities of wireless connection.

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