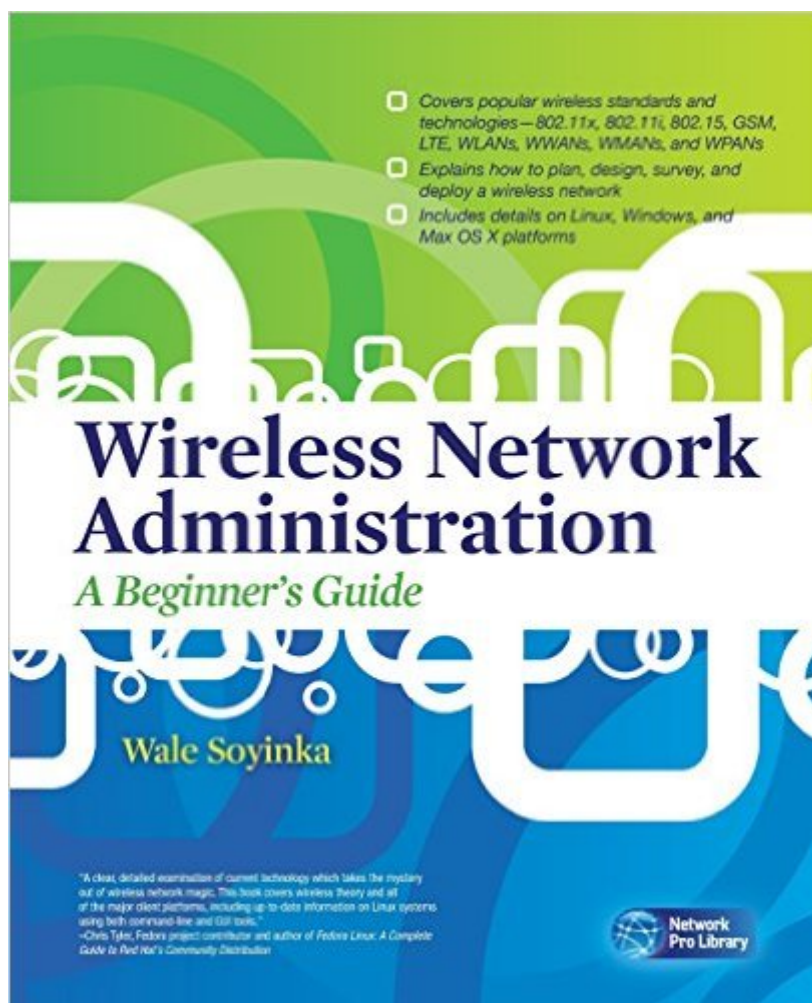


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# Wireless Network Administration A Beginner's Guide (Network Pro Library)



## Synopsis

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

## Book Information

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## Customer Reviews

I purchased this book because I love the Authors teaching and I need it for the degree I am getting in Network Security. We are using "Linux Administration" 'A Beginner's Guide', by this author, in Linux Admin II, and I enjoyed his writing style so much that I wanted more. Awesome Author and awesome instructional method. A Great Buy!

After dealing with standards in Part I, the author discusses hardware devices in a wireless network in Part II. Part III presents wireless networks structures and types. The author devotes one chapter to introduce Bluetooth, ZigBee, WiMAX and cellular networks. However the rest of the book is centered on 802.11 networks. The material is very readable: no mathematical formulas and no telecommunications theory but also no description of complex network organizations. Part IV devotes considerable space to review TCP/IP protocols and most importantly introduces security and authentication aspects and algorithms in wireless networks. Again no technical details, no protocol packets, no algorithms. Part V is actually the only hands-on part of the book and takes care of configuration of wireless devices. A very generic and hardware independent configuration procedure is provided for wireless access points and controllers but that can only apply to home or small office networks. More specific details are provided for configuring Windows, Mac and Linux clients. Along the way the book suggests what alternatives are available to a network administrator when building a wireless network but fails to address problems that may arise once the network is up and running: aspects like traffic monitoring, shaping, accounting (it very briefly introduces RADIUS). I see this book as a pretty good and readable introduction to wireless networks but not really geared toward network administration. I'm giving this book 4 stars because the subtitle says "A Beginner's Guide". What I really mean is that this is a good starting point for a wireless network administrator wannabe but definitely not enough to become one.

Good overview

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