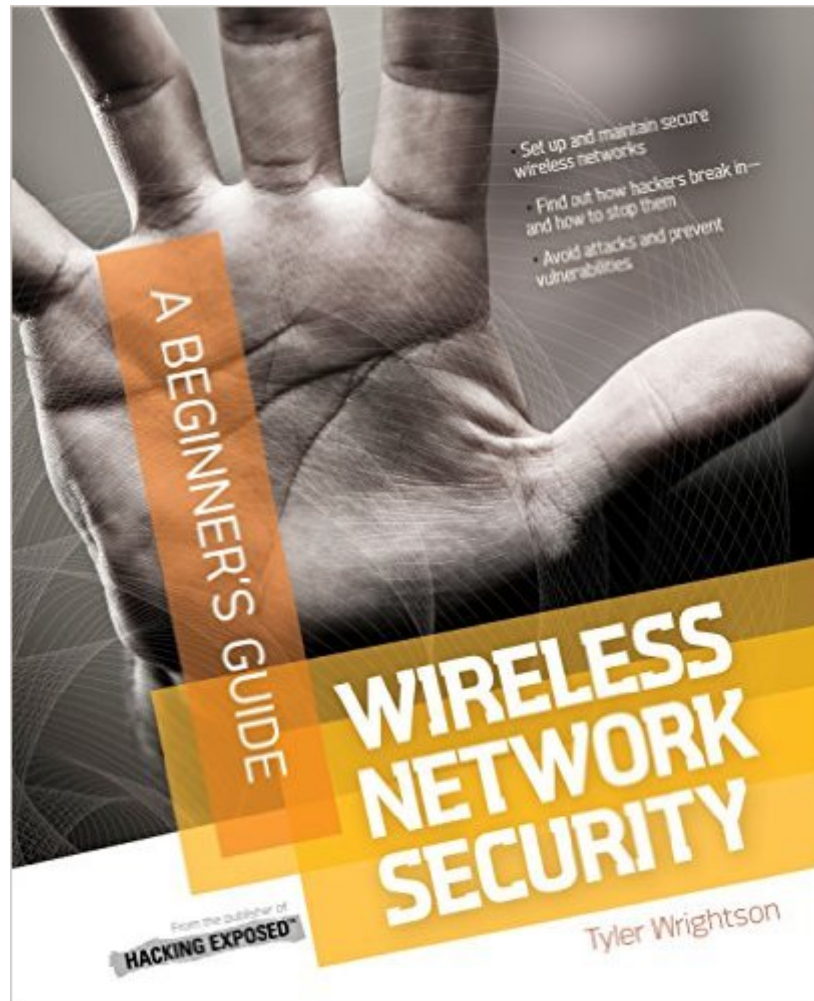# Wireless Network Security A Beginner's Guide

Synopsis

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 youâ ™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)

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Customer Reviews

The T.J. Maxx data breach of 2007 (the hacking actually started in 2005, but was only detected in 2007), came about due to insecure wireless connectivity. Estimates at the time put the costs for this security fiasco at a staggering $4.5 billion, based on costs of $100 per lost record, in addition to legal, administrative and many others expenditures.At $40.00, Wireless Network Security a Beginner's Guide by Tyler Wrightson is an inexpensive way to ensure that your company does not become the victim of a wireless-based attack.The book is an easy to read, yet technically broad guide to everything you need to know about wireless security and how to ensure it is effectively deployed.The first 2 chapters provide an introduction into the world of wireless network security. It covers high-level information security topics and why wireless security is crucial. With that, it shows how wireless is often the attacker's method of choice, given that wireless is often incorrectly deployed, and open to attack.The next 9 chapters go into significant depth into the core areas of wireless and how to secure it. Chapter 3 is about attacks on wireless networks and provides the reader with a multifaceted understanding of how an attacker can penetrate a wireless network, and what the security administrator must do in order to keep them out.Part 3 of the book is Real-World Wireless Security Defenses and is where the book gets into the nitty-gritty of wireless security and goes into important areas such as using digital certificates, handling wireless guest access, handling rogue access points and more.The remaining chapters detail how to properly install and configure wireless in an enterprise setting.

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