Kali Linux: Wireless Penetration Testing Beginner's Guide

By Vivek Ramachandran, Cameron Buchanan

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Key Features

- Learn wireless penetration testing with Kali Linux, the latest iteration of Backtrack
- Detect hidden wireless networks and discover their names
- Explore advanced Wi-Fi hacking techniques including rogue access point hosting and probe sniffing
- Develop your encryption cracking skills and gain an insight into the methods used by attackers and the underlying technologies that facilitate these attacks

Book Description

As wireless networks become ubiquitous in our lives, wireless penetration testing has become a key skill in the repertoire of the professional penetration tester. The Kali Linux security distribution comes with a myriad of tools used for networking attacks and detecting security loopholes.

Kali Linux Wireless Penetration Testing Beginner's Guide presents wireless pentesting from the ground up, introducing all elements of penetration testing with each new technology. Learn various wireless testing methodologies by example, from the basics of wireless routing and encryption through to detailed coverage of hacking methods and attacks such as the Hirte and Caffe Latte.

What you will learn

- Create a wireless lab for your experiments
- Sniff out wireless packets and hidden networks
- Capture and crack WPA-2 keys
- Discover hidden SSIDs
- Explore the ins and outs of wireless technologies
- Sniff probe requests and track users through SSID history
- Attack radius authentication systems
- Sniff wireless traffic and collect interesting data
- Decrypt encrypted traffic with stolen keys

About the Authors

Vivek Ramachandran has been working in Wireless Security since 2003. He

discovered the Caffe Latte attack and also broke WEP Cloaking, a WEP protection schema, publicly in 2007 at DEF CON. In 2011, he was the first to demonstrate how malware could use Wi-Fi to create backdoors, worms, and even botnets. Earlier, he was one of the programmers of the 802.1x protocol and Port Security in Cisco's 6500 Catalyst series of switches and was also one of the winners of the Microsoft Security Shootout contest held in India among a reported 65,000 participants. He is best known in the hacker community as the founder of SecurityTube.net, where he routinely posts videos on Wi-Fi Security and exploitation techniques.

Cameron Buchanan is an experienced penetration tester, having worked in a huge range of industries. He is also the author of Packt's Kali Linux CTF Blueprints.

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Editorial Review

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Vivek Ramachandran

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Cameron Buchanan

Cameron Buchanan is a penetration tester by trade and a writer in his spare time. He has performed penetration tests around the world for a variety of clients across many industries. Previously, he was a member of the RAF. He enjoys doing stupid things, such as trying to make things fly, getting electrocuted, and dunking himself in freezing cold water in his spare time. He is married and lives in London.

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