



Kali Linux 2: Windows Penetration Testing

By Wolf Halton, Bo Weaver

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Kali Linux: a complete pentesting toolkit facilitating smooth backtracking for working hackers

About This Book

- Conduct network testing, surveillance, pen testing and forensics on MS Windows using Kali Linux
- Footprint, monitor, and audit your network and investigate any ongoing infestations
- Customize Kali Linux with this professional guide so it becomes your pen testing toolkit

Who This Book Is For

If you are a working ethical hacker who is looking to expand the offensive skillset with a thorough understanding of Kali Linux, then this is the book for you. Prior knowledge about Linux operating systems and the BASH terminal emulator along with Windows desktop and command line would be highly beneficial.

What You Will Learn

- Set up Kali Linux for pen testing
- Map and enumerate your Windows network
- Exploit several common Windows network vulnerabilities
- Attack and defeat password schemes on Windows
- Debug and reverse-engineer Windows programs
- Recover lost files, investigate successful hacks and discover hidden data in innocent-looking files
- Catch and hold admin rights on the network, and maintain backdoors on the network after your initial testing is done

In Detail

Microsoft Windows is one of the two most common OS and managing its security has spawned the discipline of IT security. Kali Linux is the premier platform for testing and maintaining Windows security. Kali is built on the Debian distribution of Linux and shares the legendary stability of that OS. This lets you focus on using the network penetration, password cracking, forensics tools and not the OS.

This book has the most advanced tools and techniques to reproduce the methods used by sophisticated hackers to make you an expert in Kali Linux penetration testing. First, you are introduced to Kali's top ten tools and other useful reporting tools. Then, you will find your way around your target network and determine known vulnerabilities to be able to exploit a system remotely. Next, you will prove that the vulnerabilities you have found are real and exploitable. You will learn to use tools in seven categories of exploitation tools. Further, you perform web access exploits using tools like websploit and more. Security is only as strong as the weakest link in the chain. Passwords are often that weak link. Thus, you learn about password attacks that can be used in concert with other approaches to break into and own a network. Moreover, you come to terms with network sniffing, which helps you understand which users are using services you can exploit, and IP spoofing, which can be used to poison a system's DNS cache. Once you gain access to a machine or network, maintaining access is important.

Thus, you not only learn penetrating in the machine you also learn Windows privilege's escalations. With easy to follow step-by-step instructions and support images, you will be able to quickly pen test your system and network.

Style and approach

This book is a hands-on guide for Kali Linux pen testing. This book will provide all the practical knowledge needed to test your network's security using a proven hacker's methodology. The book uses easy-to-understand yet professional language for explaining concepts.

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Kali Linux 2: Windows Penetration Testing By Wolf Halton, Bo Weaver Bibliography

- Rank: #887758 in Books
- Published on: 2016-06-28
- Released on: 2016-06-28
- Original language: English
- Dimensions: 9.25" h x .96" w x 7.50" l, 1.59 pounds
- Binding: Paperback
- 422 pages

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Editorial Review

About the Author

Wolf Halton

Wolf Halton is a widely recognized authority on computer and internet security, an Amazon best selling author on computer security, and the CEO of Atlanta Cloud Technology. He specializes in business continuity, security engineering, open source consulting, marketing automation, virtualization and datacenter restructuring, and Linux evangelism. Wolf started hacking Windows in 1993 and loaded Linux for the first time in 2002. Wolf attributes whatever successes he has had to his darling bride, Helen, without whose tireless encouragement he would have never come so far so fast. To contact Wolf, e-mail him at wolf@atlantacloudtech.com.

Bo Weaver

Bo Weaver is an old-school ponytailed geek who misses the old days of black screens and green text, when mice were only found under the subflooring and monitors only had eight colors. His first involvement with networks was in 1972, while working on an R&D project called ARPANET in the US Navy. Here, he also learned the power of Unix and how to "outsmart" the operating system. In the early days of BBS systems, he helped set up, secure, and maintain these systems in the South. He later worked with many in the industry to set up Internet providers and secured these environments. Bo has been working with and using Linux daily since the 1990s, and he is a promoter of open source (yes, Bo runs on Linux). He has also worked in physical security fields as a private investigator and in executive protection. Bo is now the senior penetration tester for Compliancepoint, an Atlanta-based security consulting company, where he works remotely from under a tree in the North Georgia mountains. Bo is Cherokee and works with Native American youth to help keep their traditions alive and strong. He is also the father of a geek son, Ross, a hacker in his own right, and the grandfather of two grandchildren, Rachel and Austin, who at their young age can Nmap a network. To contact Bo, e-mail him at bo@boweaver.com.

Users Review

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