



## **Advanced Penetration Testing: Hacking the World's Most Secure Networks**

*Wil Allsopp*

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# Advanced Penetration Testing: Hacking the World's Most Secure Networks

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**Build a better defense against motivated, organized, professional attacks**  
*Advanced Penetration Testing: Hacking the World's Most Secure Networks* takes hacking far beyond Kali linux and Metasploit to provide a more complex attack simulation. Featuring techniques not taught in any certification prep or covered by common defensive scanners, this book integrates social engineering, programming, and vulnerability exploits into a multidisciplinary approach for targeting and compromising high security environments. From discovering and creating attack vectors, and moving unseen through a target enterprise, to establishing command and exfiltrating data--even from organizations without a direct Internet connection--this guide contains the crucial techniques that provide a more accurate picture of your system's defense. Custom coding examples use VBA, Windows Scripting Host, C, Java, JavaScript, Flash, and more, with coverage of standard library applications and the use of scanning tools to bypass common defensive measures.

Typical penetration testing consists of low-level hackers attacking a system with a list of known vulnerabilities, and defenders preventing those hacks using an equally well-known list of defensive scans. The professional hackers and nation states on the forefront of today's threats operate at a much more complex level--and this book shows you how to defend your high security network.

Use targeted social engineering pretexts to create the initial compromise

Leave a command and control structure in place for long-term access

Escalate privilege and breach networks, operating systems, and trust structures

Infiltrate further using harvested credentials while expanding control

Today's threats are organized, professionally-run, and very much for-profit. Financial institutions, health care organizations, law enforcement, government agencies, and other high-value targets need to harden their IT infrastructure and human capital against targeted advanced attacks from motivated professionals. *Advanced Penetration Testing* goes beyond Kali linux and Metasploit and to provide you advanced pen testing for high security networks.

## Advanced Penetration Testing: Hacking the World's Most Secure Networks Details

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## **From Reader Review Advanced Penetration Testing: Hacking the World's Most Secure Networks for online ebook**

### **Leo says**

Consider this book as an APT modeling bible. Well written, descriptive, engaging, makes you think outside of the box.

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### **Nothing says**

I feel that many books just re-hash the same old material and tools. This book covers much more than just pentesting, it covers APT and gives realistic scenarios and tools that actually work. I will say that it goes far above what I was expecting in terms of the technical material. If you are looking for something to learn basics this is NOT the book for you. Take the title literally and know that it is advanced

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### **Ivars Svekris says**

Inspiring.

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### **Dozo says**

This book is somewhat unique. It's not a book for learning about technical penetration testing itself, it's a set of stories for you to take inspiration from with a mixture of scenarios, suggestions, code snippets and sharing of the author's experience.

This is both the strength of the book and also its weakness. The ideas in the book are good to think about and as an inspiration to get started, but they are not complete and functional code. There is no step by step typing guide here so it is not appropriate for beginners - nor seasoned hackers as they probably know all of this already.

Personally, as someone who has some experience but was looking for ideas to expand on for bed time reading, this book was perfect, but I can't imagine there is a wide audience.

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