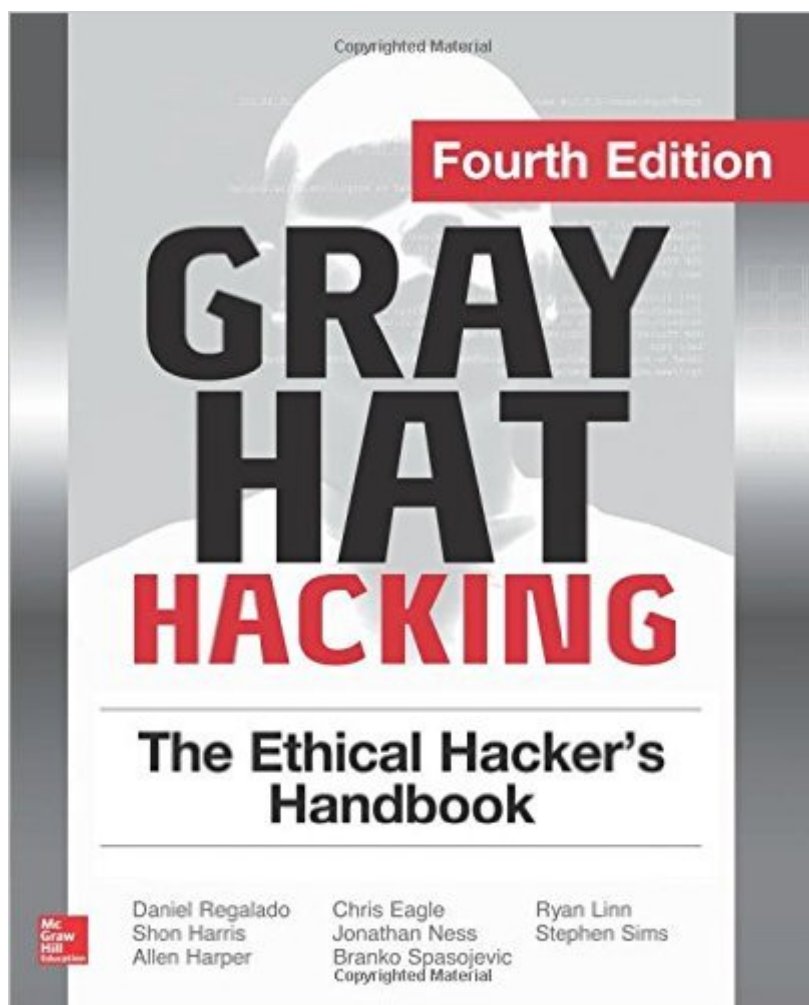# Gray Hat Hacking The Ethical Hacker's Handbook, Fourth Edition

Synopsis

Cutting-edge techniques for finding and fixing critical security flaws Fortify your network and avert digital catastrophe with proven strategies from a team of security experts. Completely updated and featuring 12 new chapters, Gray Hat Hacking: The Ethical Hacker's Handbook, Fourth Edition explains the enemyâ ™s current weapons, skills, and tactics and offers field-tested remedies, case studies, and ready-to-deploy testing labs. Find out how hackers gain access, overtake network devices, script and inject malicious code, and plunder Web applications and browsers. Android-based exploits, reverse engineering techniques, and cyber law are thoroughly covered in this state-of-the-art resource. Build and launch spoofing exploits with Ettercap and Evilgrade Induce error conditions and crash software using fuzzers Hack Cisco routers, switches, and network hardware Use advanced reverse engineering to exploit Windows and Linux software Bypass Windows Access Control and memory protection schemes Scan for flaws in Web applications using Fiddler and the x5 plugin Learn the use-after-free technique used in recent zero days Bypass Web authentication via MySQL type conversion and MD5 injection attacks Inject your shellcode into a browser's memory using the latest Heap Spray techniques Hijack Web browsers with Metasploit and the BeEF Injection Framework Neutralize ransomware before it takes control of your desktop Dissect Android malware with JEB and DAD decompilers Find one-day vulnerabilities with binary diffing

Book Information

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Customer Reviews

Excellent overview of how an ethical hacker should proceed with his/her work. Clear, detailed explanation of how to proceed through many stages of hacking and how far the gray hat hacker should go in order to fulfill his/her statement of work. A proactive approach to finding weaknesses in systems is well-explained, in combination with suggestions for the company to proceed to find those errors. Other books on malware are excellent as well, but are more reactive in their approach.

Well, the book is very good,but I believe that the first 55 pages Chapters 1 and 2 are useless for a beginner because it does not teach C, ASM, or Python - (for these skills I recommend the books The Art of Assembly Language, Python Cookbook, Third edition and Black Hat Python: Python Programming for Hackers and Pentesters - excellent), the chapters 1 and 2 give a very basic explanation of languages, these pages are also useless for an experienced User seeking challenges and new, the exercises of laboratory listed in the appendix of the book, are now available in the mcgraw professional download site.The other 500 pages of the book are a wonderful contribution of the authors to us hobbyists, professionals, curious and hackers.The cover is nice and well finished, has colors and a varnish that leaves very beautiful, the pages are excellent for reading and handling, have about 90% opacity, are White and firm, I believe the weight is between 65g to 70g.

It's an excellent book for CISSP candidates to have a very high level idea of hacking techniques. For anyone trying to apply their hacking instincts in the digital realm, this is at best a compilation of notes someone would take about secure coding while in CS courses (if any Higher Ed. began incorporating secure coding to their curriculum) or independent studies. If you learned to program from security conscious authors, usually non-textbook authors, you will be very disappointed and should not need this book. It would have also been good to provide the source code for find.c on a single page. I guess the author didn't intend for the readers to follow along; typical CISSP or script kiddy manager/"pentester" approach of reading quickly without committing techniques to memory.

Great book, I currently reference this book with my current job. It goes into just enough detail to cover the concepts. Then you're able to decide what you wnt to dive into with other publications.

Hi. Actually i found this book very helpful and discuss important case's

Amazing Book filled with easy to follow but in depth examples.

Very good book, Good for beginners and seasons programmers.

Great reference book - bought it for class.

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