



## Gray Hat Hacking : The Ethical Hacker's Handbook

By Shon Harris, Allen Harper, Chris Eagle, Jonathan Ness, Michael Lester

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Analyze your company's vulnerability to hacks with expert guidance from *Gray Hat Hacking: The Ethical Hacker's Handbook*. Discover advanced security tools and techniques such as fuzzing, reverse engineering, and binary scanning. Test systems using both passive and active vulnerability analysis. Learn to benefit from your role as a gray hat. Review ethical and legal issues and case studies. This unique resource provides leading-edge technical information being utilized by the top network engineers, security auditors, programmers, and vulnerability assessors. Plus, the book offers in-depth coverage of ethical disclosure and provides a practical course of action for those who find themselves in a "disclosure decision" position.

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### Editorial Review

#### Review

Excerpts from review by Patrick Mueller

... a proficient work...offers a smorgasbord of topics geared towards moderate- and advanced-level practitioners...The authors touch on some deep technical issues, such as automated penetration testing and shellcode exploit construction...great command of the material...[authors] discuss a few refreshingly different topics -- such as vulnerability disclosure protocols -- that are hardly covered elsewhere.

The authors did...deliver on their ethical obligations to provide accurate countermeasures to attack methods they describe -- a true value to readers. ... security professionals will find value in the authors' formidable understanding of the material. (*Information Security Magazine* 2005-01-01)

#### From the Back Cover

Detect, ethically disclose, and repair security flaws before malicious hackers wreak havoc

Avoid devastating network attacks by acquiring the advanced skills malicious hackers and computer criminals are using today. *Gray Hat Hacking: The Ethical Hacker's Handbook* takes you to the next level by explaining, line-by-line, the code behind the latest and most insidious hacking techniques, as well as their countermeasures. Many of the attacks described have been used to successfully carry out online fraud, identity theft, extortion, denial of service attacks, and access to critical and confidential data. Malicious hackers are dedicated to bringing about mayhem and destruction--this book will teach you how to identify and stop them.

- Plan, script, and execute widespread security tests using redteaming approaches
- Carry out advanced vulnerability assessments, penetration tests, code scans, and system auditing tests
- Use the latest target discovery and fingerprinting tools: Paketto Keiretsu, Xprobe2, POf, Amap, Winfingerprint
- Generate error conditions and crashes within programs using fuzzers
- Automate pen-tests with Python Survival Skills, Core Impact, CANVAS, and Metasploit
- Deploy the latest sniffing tools/techniques: Ettercap, Dsniff, SMB/LANMan credential sniffing, Kerbsniff/Kerbrack
- Understand passive vs. active sniffing, including MAC flooding, ARP cache poisoning, MAC duplicating, and DNS poisoning
- Use various classes of Reverse Engineering tools: Debugging, Code Coverage, Profiling, Flow Analysis, and Memory Monitoring Tools
- Create proof of concept exploits using stack operations, local and remote buffer overflows, and heap overflows

#### About the Author

Shon Harris, CISSP, MCSE, is the president of Logical Security, a security consultant, a former engineer in the Air Force's Information Warfare unit, an instructor and an author. She has authored two best selling CISSP books, was a contributing author to the book, *Hacker's Challenge*, and a contributing author to the book *Gray Hat Hacking*. Shon has consulted for a variety of companies in many different industries. Shon has taught computer and information security to a wide range of clients, some of which have included RSA,

Department of Defense, Department of Energy, West Point, National Security Agency (NSA), Bank of America, Defense Information Systems Agency (DISA), BMC, Intel, and many more. Shon was recognized as one of the top 25 women in the Information Security field by Information Security Magazine. She has been asked by McGraw-Hill to develop McGraw-Hill's new security textbook series that will be sold to universities, colleges, and technical schools throughout the world. Shon is currently writing a CISA book to be published by McGraw-Hill in 2008. Additionally, Shon writes security articles for Information Security Magazine and Windows 2000 Magazine and other leading industry journals.

## **Users Review**

### **From reader reviews:**

#### **Nathan Marker:**

Book is to be different for every single grade. Book for children until adult are different content. As it is known to us that book is very important for all of us. The book Gray Hat Hacking : The Ethical Hacker's Handbook has been making you to know about other knowledge and of course you can take more information. It doesn't matter what advantages for you. The guide Gray Hat Hacking : The Ethical Hacker's Handbook is not only giving you far more new information but also being your friend when you truly feel bored. You can spend your own spend time to read your publication. Try to make relationship with the book Gray Hat Hacking : The Ethical Hacker's Handbook. You never truly feel lose out for everything if you read some books.

#### **Tammy Jones:**

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