



A Bug Hunter's Diary: A Guided Tour Through the Wilds of Software Security

By Tobias Klein

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"This is one of the most interesting infosec books to come out in the last several years."

—**Dino Dai Zovi, Information Security Professional**

"Give a man an exploit and you make him a hacker for a day; teach a man to exploit bugs and you make him a hacker for a lifetime."

—**Felix 'FX' Lindner**

Seemingly simple bugs can have drastic consequences, allowing attackers to compromise systems, escalate local privileges, and otherwise wreak havoc on a system.

A Bug Hunter's Diary follows security expert Tobias Klein as he tracks down and exploits bugs in some of the world's most popular software, like Apple's iOS, the VLC media player, web browsers, and even the Mac OS X kernel. In this one-of-a-kind account, you'll see how the developers responsible for these flaws patched the bugs—or failed to respond at all. As you follow Klein on his journey, you'll gain deep technical knowledge and insight into how hackers approach difficult problems and experience the true joys (and frustrations) of bug hunting.

Along the way you'll learn how to:

- Use field-tested techniques to find bugs, like identifying and tracing user input data and reverse engineering
- Exploit vulnerabilities like NULL pointer dereferences, buffer overflows, and type conversion flaws
- Develop proof of concept code that verifies the security flaw
- Report bugs to vendors or third party brokers

A Bug Hunter's Diary is packed with real-world examples of vulnerable code and the custom programs used to find and test bugs. Whether you're hunting bugs for fun, for profit, or to make the world a safer place, you'll learn valuable new skills by looking over the shoulder of a professional bug hunter in action.

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Bibliography

- Sales Rank: #288676 in Books
- Brand: Brand: No Starch Press
- Published on: 2011-11-14
- Original language: English
- Number of items: 1

- Dimensions: 9.25" h x .69" w x 7.00" l, .72 pounds
- Binding: Paperback
- 208 pages

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Editorial Review

About the Author

Tobias Klein is a security researcher and founder of NESO Security Labs, an information security consulting and research company based in Heilbronn, Germany. As a vulnerability researcher, Tobias has identified and helped to fix numerous security vulnerabilities. He is the author of two other information security books published in German by dpunkt.verlag of Heidelberg, Germany.

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