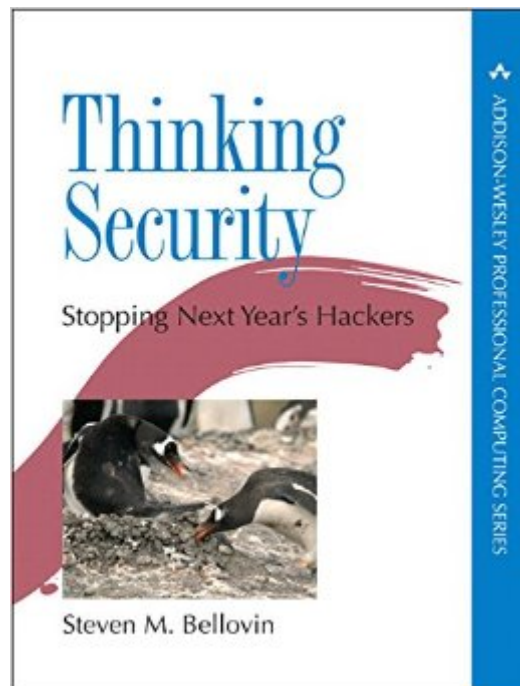# Thinking Security: Stopping Next Year's Hackers (Addison-Wesley Professional Computing Series)

Synopsis

If youâ ™re a security or network professional, you already know the â œdoâ ™s and donâ ™tsâ •: run AV software and firewalls, lock down your systems, use encryption, watch network traffic, follow best practices, hire expensive consultants . . . but it isnâ ™t working. Youâ ™re at greater risk than ever, and even the worldâ ™s most security-focused organizations are being victimized by massive attacks. Â In Thinking Security, author Steven M. Bellovin provides a new way to think about security. As one of the worldâ ™s most respected security experts, Bellovin helps you gain new clarity about what youâ ™re doing and why youâ ™re doing it. He helps you understand security as a systems problem, including the role of the all-important human element, and shows you how to match your countermeasures to actual threats. Youâ ™ll learn how to move beyond last yearâ ™s checklists at a time when technology is changing so rapidly. Â Youâ ™ll also understand how to design security architectures that donâ ™t just prevent attacks wherever possible, but also deal with the consequences of failures. And, within the context of your coherent architecture, youâ ™ll learn how to decide when to invest in a new security product and when not to. Â Bellovin, co-author of the best-selling Firewalls and Internet Security, caught his first hackers in 1971. Drawing on his deep experience, he shares actionable, up-to-date guidance on issues ranging from SSO and federated authentication to BYOD, virtualization, and cloud security. Â Perfect security is impossible. Nevertheless, itâ ™s possible to build and operate security systems far more effectively. Thinking Security will help you do just that.

Book Information

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Customer Reviews

Prof. Bellovin is a well-known IT security expert. His book is quite thought-provoking, very recently published. At times it can seem a bit academic in tone. That's OK for me, as his information is very sound and thoroughly researched. It's a very dense, sometime tongue-in-cheek narrative. I'm not quite done with reading it my usual twice for books of this nature, but I will. I highly recommend acquiring and reading it, if you work or have responsibilities in the Information Technology Security area. You may not agree with each and every thing he says, but the book will lead you to sit back and reexamine many of the existing IT security "givens," upon which he casts well-deserved criticism. Owing to the publishing cycle, Microsoft's most recent desktop operating system, Windows 10, is not mentioned in the book. I hope there will be a second edition soon.

As a security practitioner on the "front-lines", I really enjoyed this book. Good coverage of threat modeling, and rational defense tactics and strategy. Most of the focus is on first principles (centralized auditing, logging, authentication, rational cloud storage & vm techniques, practical crypto considerations) which are easy to lose sight of in the trenches. Strongly recommended for students, technology professionals, and security researchers. Really, well done Dr. Bellovin.

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