



Threat Modeling: Designing for Security

By Adam Shostack



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The only security book to be chosen as a Dr. Dobbs Jolt Award Finalist since Bruce Schneier's *Secrets and Lies* and *Applied Cryptography*!

Adam Shostack is responsible for security development lifecycle threat modeling at Microsoft and is one of a handful of threat modeling experts in the world. Now, he is sharing his considerable expertise into this unique book. With pages of specific actionable advice, he details how to build better security into the design of systems, software, or services from the outset. You'll explore various threat modeling approaches, find out how to test your designs against threats, and learn effective ways to address threats that have been validated at Microsoft and other top companies.

Systems security managers, you'll find tools and a framework for structured thinking about what can go wrong. Software developers, you'll appreciate the jargon-free and accessible introduction to this essential skill. Security professionals, you'll learn to discern changing threats and discover the easiest ways to adopt a structured approach to threat modeling.

- Provides a unique how-to for security and software developers who need to design secure products and systems and test their designs
- Explains how to threat model and explores various threat modeling approaches, such as asset-centric, attacker-centric and software-centric
- Provides effective approaches and techniques that have been proven at Microsoft and elsewhere
- Offers actionable how-to advice not tied to any specific software, operating system, or programming language
- Authored by a Microsoft professional who is one of the most prominent threat modeling experts in the world

As more software is delivered on the Internet or operates on Internet-connected devices, the design of secure software is absolutely critical. Make sure you're ready with *Threat Modeling: Designing for Security*.



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Editorial Review

From the Back Cover

Use threat modeling to enhance software security

If you're a software developer, systems manager, or security professional, this book will show you how to use threat modeling in the security development lifecycle and in the overall software and systems design processes. Author and security expert Adam Shostack puts his considerable expertise to work in this book that, unlike any other, details the process of building improved security into the design of software, computer services, and systems — from the very beginning.

- Find and fix security issues before they hurt you or your customers
- Learn to use practical and actionable tools, techniques, and approaches for software developers, IT professionals, and security enthusiasts
- Explore the nuances of software-centric threat modeling and discover its application to software and systems during the build phase and beyond
- Apply threat modeling to improve security when managing complex systems
- Manage potential threats using a structured, methodical framework
- Discover and discern evolving security threats
- Use specific, actionable advice regardless of software type, operating system, or program approaches and techniques validated and proven to be effective at Microsoft and other top IT companies

About the Author

Adam Shostack is a principal program manager on Microsoft's Trustworthy Computing Team. His experience as an operational systems manager and product developer at companies from startups to Microsoft ensures this book is practical and grounded. He helped found the CVE, the Privacy Enhancing Technologies Symposium, and more.

Users Review

From reader reviews:

Richard Martinez:

Do you have favorite book? For those who have, what is your favorite's book? Publication is very important thing for us to find out everything in the world. Each guide has different aim or perhaps goal; it means that publication has different type. Some people feel enjoy to spend their time to read a book. They can be reading whatever they get because their hobby is reading a book. What about the person who don't like reading a book? Sometime, person feel need book once they found difficult problem as well as exercise. Well, probably you should have this Threat Modeling: Designing for Security.

Monica Ceja:

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