



Reversing: Secrets of Reverse Engineering

By Eldad Eilam

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Beginning with a basic primer on reverse engineering—including computer internals, operating systems, and assembly language—and then discussing the various

applications of reverse engineering, this book provides readers with practical, in-depth techniques for software reverse engineering. The book is broken into two parts, the first deals with security-related reverse engineering and the second explores the more practical aspects of reverse engineering. In addition, the author explains how to reverse engineer a third-party software library to improve interfacing and how to reverse engineer a competitor's software to build a better product.

- * The first popular book to show how software reverse engineering can help defend against security threats, speed up development, and unlock the secrets of competitive products

- * Helps developers plug security holes by demonstrating how hackers exploit reverse engineering techniques to crack copy-protection schemes and identify software targets for viruses and other malware

- * Offers a primer on advanced reverse-engineering, delving into "disassembly"-code-level reverse engineering—and explaining how to decipher assembly language

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Editorial Review

From the Back Cover

Sometimes, the best way to advance is in reverse

If you want to know how something works, you take it apart very carefully. That's exactly what this book shows you—how to deconstruct software in a way that reveals design and implementation details, sometimes even source code. Why? Because reversing reveals weak spots, so you can target your security efforts. Because you can reverse-engineer malicious code in order to neutralize it. Because understanding what makes a program work lets you build a better one. You'll learn how here.

- Learn to read compiler-generated assembly language code for IA-32 compatible processors
- Decipher an undocumented file format or network protocol
- Understand when reverse engineering is legal, and when—and why—it may not be
- See how hackers use reversing to defeat copy protection technology
- Find out how to pull the plug on malicious code
- Determine how to prevent others from reversing your code, and find out how effective such steps can be
- Explore reverse engineering on the .NET platform and its assembly language, MSIL
- Observe the dissection of a real-world malicious program and see how the attacker used it to control infected systems

About the Author

Eldad Eilam is a consultant in the field of reverse engineering. He assists clients with operating system and in-depth software reverse engineering, and has devoted several years to developing advanced reverse engineering techniques.

Users Review

From reader reviews:

Brian Dunlap:

Do you have favorite book? For those who have, what is your favorite's book? Publication is very important thing for us to learn everything in the world. Each e-book has different aim or perhaps goal; it means that publication has different type. Some people really feel enjoy to spend their the perfect time to read a book. They may be reading whatever they consider because their hobby is definitely reading a book. How about the person who don't like studying a book? Sometime, man feel need book once they found difficult problem or perhaps exercise. Well, probably you should have this Reversing: Secrets of Reverse Engineering.

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Ann Gonzalez:

Playing with family in a very park, coming to see the water world or hanging out with friends is thing that usually you will have done when you have spare time, in that case why you don't try issue that really opposite from that. One particular activity that make you not sensation tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of information. Even you love Reversing: Secrets of Reverse Engineering, you can enjoy both. It is excellent combination right, you still need to miss it? What kind of hang-out type is it? Oh can happen its mind hangout men. What? Still don't understand it, oh come on its called reading friends.

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