1. Record Nr. UNINA9910131650203321 Autore Koret Joxean Titolo The Antivirus hacker's handbook / / Joxean Koret, Elias Bachaalany Pubbl/distr/stampa Indianapolis, IN:,: John Wiley and Sons,, [2015] ©2015 **ISBN** 1-119-18352-9 1-119-02878-7 1-119-02876-0 Edizione [First edition.] Descrizione fisica 1 online resource (384 p.) Disciplina 005.84 Soggetti Hackers Computer viruses Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Cover; Title Page; Copyright; Contents; Introduction; Part I Antivirus Nota di contenuto Basics; Chapter 1 Introduction to Antivirus Software; What Is Antivirus Software?; Antivirus Software: Past and Present; Antivirus Scanners, Kernels, and Products; Typical Misconceptions about Antivirus Software; Antivirus Features; Basic Features; Making Use of Native Languages: Scanners: Signatures: Compressors and Archives: Unpackers; Emulators; Miscellaneous File Formats; Advanced Features; Packet Filters and Firewalls; Self-Protection; Anti-Exploiting; Summary; Chapter 2 Reverse-Engineering the Core Reverse-Engineering ToolsCommand-Line Tools versus GUI Tools; Debugging Symbols; Tricks for Retrieving Debugging Symbols; Debugging Tricks: Backdoors and Configuration Settings: Kernel Debugging: Debugging User-Mode Processes with a Kernel-Mode Debugger; Analyzing AV Software with Command-Line Tools; Porting the Core; A Practical Example: Writing Basic Python Bindings for Avast for Linux; A Brief Look at Avast for Linux; Writing Simple Python Bindings for Avast for Linux; The Final Version of the Python Bindings; A Practical Example: Writing Native C/C++ Tools for Comodo Antivirus

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## Sommario/riassunto

Hack your antivirus software to stamp out future vulnerabilities. The Antivirus Hacker's Handbook guides you through the process of reverse engineering antivirus software. You explore how to detect and exploit vulnerabilities that can be leveraged to improve future software design, protect your network, and anticipate attacks that may sneak through your antivirus' line of defense. You'll begin building your knowledge by diving into the reverse engineering process, which details how to start from a finished antivirus software program and work your way back through its development using the func