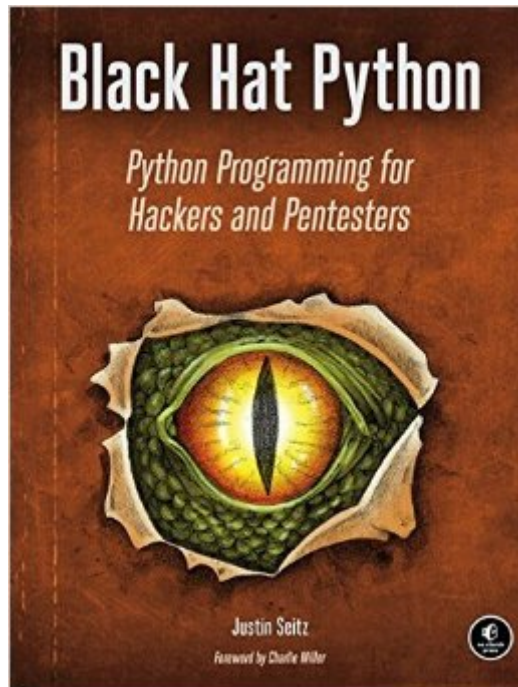# Black Hat Python: Python Programming For Hackers And Pentesters

Synopsis

When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. But just how does the magic happen?In Black Hat Python, the latest from Justin Seitz (author of the best-selling Gray Hat Python), you'll explore the darker side of Python's capabilitiesâ"writing network sniffers, manipulating packets, infecting virtual machines, creating stealthy trojans, and more. You'll learn how to:Create a trojan command-and-control using GitHubDetect sandboxing and automate common malware tasks, like keylogging and screenshottingEscalate Windows privileges with creative process controlUse offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machineExtend the popular Burp Suite web-hacking toolAbuse Windows COM automation to perform a man-in-the-browser attackExfiltrate data from a network most sneakilyInsider techniques and creative challenges throughout show you how to extend the hacks and how to write your own exploits.When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how in Black Hat Python.

Book Information

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Customer Reviews

I just got this book in the mail earlier today and couldn't help but sit down and read through the entire thing. Starting from chapter two, author Justin Seitz walks you through the creation of classic networking tools in the popular Python programming language (Chapter 1 focuses on setting up your environment). From netcat to proxies to SSH tunnels, the amount of information packed in is

amazing. He then delves deeper into the world of network analysis and shows you how to write your own sniffers leading to a pared-down nmap implementation. The best part is that you learn all of this while staying essentially crippled- Seitz doesn't just introduce one of Python's many libraries and just say "Play", he walks your though all the nitty gritty details along the way. It's great.He then pulls you from the dark undergrounds of low(ish) level socket programming to show you what Python can do against application-layer targets. You begin with learning to bruteforce directories and image locations before quickly moving to extending Burp Suite to fit whatever your needs may be. From there, you get into some of the heavier materials by taking another step further from networks to create command and control points for a trojan that you eventually get around to writing. Keylogging, surreptitious screenshots, and even rooting techniques become your new playground.There's more, naturally, but I feel as though you can get the point clearly enough looking through the table of contents. Besides, I wouldn't want to spoil all the fun.

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