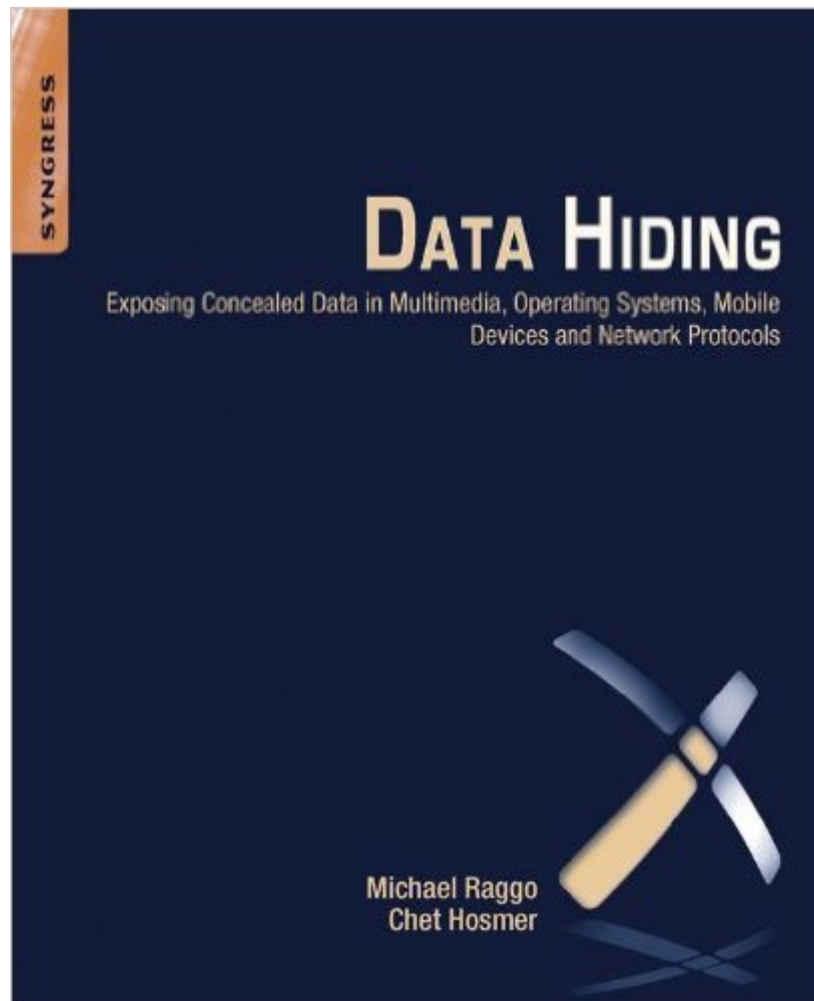


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# Data Hiding: Exposing Concealed Data In Multimedia, Operating Systems, Mobile Devices And Network Protocols



## Synopsis

As data hiding detection and forensic techniques have matured, people are creating more advanced stealth methods for spying, corporate espionage, terrorism, and cyber warfare all to avoid detection. Data Hiding provides an exploration into the present day and next generation of tools and techniques used in covert communications, advanced malware methods and data concealment tactics. The hiding techniques outlined include the latest technologies including mobile devices, multimedia, virtualization and others. These concepts provide corporate, government and military personnel with the knowledge to investigate and defend against insider threats, spy techniques, espionage, advanced malware and secret communications. By understanding the plethora of threats, you will gain an understanding of the methods to defend oneself from these threats through detection, investigation, mitigation and prevention. Provides many real-world examples of data concealment on the latest technologies including iOS, Android, VMware, MacOS X, Linux and Windows 7. Dives deep into the less known approaches to data hiding, covert communications, and advanced malware. Includes never before published information about next generation methods of data hiding. Outlines a well-defined methodology for countering threats. Looks ahead at future predictions for data hiding.

## Book Information

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## Customer Reviews

Okay. But, not rigorous â “ no math or even example programs. I found an older book â œHiding In Plain Sightâ • at least has example programs. Bottom line â “ not for the developer, just the general reader.

This fall, I was privileged to be a student of Chet Hosmer (Utica College Adjunct Professor) in my Masters of Cyber Security coursework. Not surprisingly, he used this book as the primary text for his class, "Access Methods and Data Hiding". As a natural skeptic, I wondered what his reason for requiring his own text as the course textbook was. During the course, I was expected to do in-depth research, conduct hands-on lab assignments, and write research papers regarding the topic of data hiding methods. What I found over and over, was that Chet Hosmer and Michael Raggio were persistently the primary source for nearly every other researcherâ | and even other experts in the field of data hiding and steganography. Needless to say, this made it difficult to have a breadth of resources to list on my assignments. This book is well written and does a good job of presenting the information. The audience is pretty wide, surprisingly. A moderately technical university student (or advanced high school student) who is interested in the study of steganography and data hiding would definitely be able to gain much information from every chapter of the book. But, for the IT person in the field or for the student with a technical background, this book gives many details and examples for a more in-depth and technical understanding of these data hiding methods. Whatever the case, "Data Hiding" should be considered as a first source in this arena.

This is the most comprehensive book on Steganography and data hiding that I have ever read! It is insightful and a definite "eye opener" to the threats and techniques used in data hiding. It is extremely well written and presented. I highly recommend this book for anyone interested in learning more about Steganography and advanced data hiding techniques. I believe this book would be a valuable resource for students as well as seasoned professionals.

If your looking to learn more on data hiding/steganography look no further. A book that contains as much insight and knowledge on an advanced topic, that isn't a difficult read is hard to come by. Hosmer and Raggio created a book that can be used by students while also providing a wealth of

new information to even the most seasoned investigators. Highly recommended.

Data Hiding: Exposing Concealed Data in Multimedia, Operating Systems, Mobile Devices, and Network Protocols is the most beneficial textbook that I've ever used. It contains a wide variety of data hiding methods which introduce the student to many of the data hiding methods used today. The aspect of the book that I liked most is that it's chocked full of screenshots to guide a student through the processes of data hiding methods and enhance their understanding of the material. It was like having the teacher right there at my side. The book is not just for the novice security professional. There are links provided throughout for those who wish to dig deeper into the subject matter. All of this combined, made the book thoroughly thought provoking and held my interest throughout. I highly recommend reading this book cover-to-cover.

This book is well written, very informative and easy to comprehend. It really opens your eyes to the threat of Data Hiding. This would be an excellent resource for anyone interested in the world of cyber security. This is a must read!

I have just finished my degree in Cyber Security and this is one of the best textbooks we were asked to use by the University. It was up-to-the-minute and very thorough, while still making the technical information accessible. I would recommend this book for anyone looking to further there knowledge of this subject or pursuing a career in Cyber Security. These two authors are both experts in their field and the proof is in how many expert testimonies on various websites and magazines they have presented.

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