

DATA HIDING TECHNIQUES IN WINDOWS OS

Reviewer Name

Albert Victor

Authors

Nihad Hassan & Rami Hijazi

Publisher

Syngress

Date of Publishing

2016

ISBN

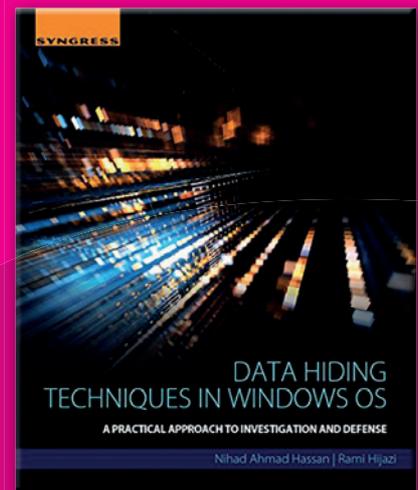
978-0-12-804449-0

Price

£27.99 / \$35.95

Rating

★★★★★



When you first look at this book's title you are expecting to read about some new or significant features of the Windows OS that had not been identified before. What you actually get is a book of over 300 pages that covers a wide spectrum of data hiding and antiforensic techniques along with a chapter dedicated to Data Hiding under the Windows OS File Structure.

Made up of 8 chapters the book starts with an introduction into Ciphers. Initially I thought this was a strange way to start a book on data hiding in an operating system, however when I accepted that this book went beyond the OS to look at data hiding techniques in general it did sort of start to make sense.

Chapter 2 looks at hiding using simple methods such as bit shifting or using rich text format or renaming files, nothing really imaginative, but important to cover. Chapter 3 takes us deeper into the world of Steganography covering various carrier files from images to audio files. It is chapter 4 that we get really into the Windows OS file structure, however it delves into more aspects of the OS including the registry and registry. Chapter 5 delves into using encryption techniques building on the information that was provided in Chapter 1 and Chapter 3 to combine encryption with Steganography for secure data hiding. Chapter 6 moves on to look at Forensics

from a basic understanding to presenting evidence in a court of law leading onto Chapter 7 that looks at the world of Anti-Forensics and techniques used to mislead investigators. Finally Chapter 8 takes a look at future trends.

Each chapter is supported with its own references and bibliography for those who wish to look at the research papers behind the text. The layout of each chapter is also supported by screenshots and images to explain each aspect in a clear and detailed manner, taking a practical look at what are complex subjects, creating in their words “a cookbook of delicious recipes” for those interested in the topic to try. The book is certainly an interesting compilation of what appear to be a number of discrete topics/papers that have been corralled together to create a comprehensive narrative around a particular subject, written by authors who appear to have a wealth of experience and are clearly knowledgeable about their chosen subject.

/ CLOSING SUMMARY

Even though the title is slightly misleading, the subject matter contained covers much more than just the Windows OS. This is a comprehensive detailed practical look at what can be a complex and technical subject and is a must read for anyone who has a need to stay anonymous or has privacy concerns. /

“THE LAYOUT OF EACH CHAPTER IS ALSO SUPPORTED BY SCREENSHOTS AND IMAGES TO EXPLAIN EACH ASPECT IN A CLEAR AND DETAILED MANNER, TAKING A PRACTICAL LOOK AT WHAT ARE COMPLEX SUBJECTS.”