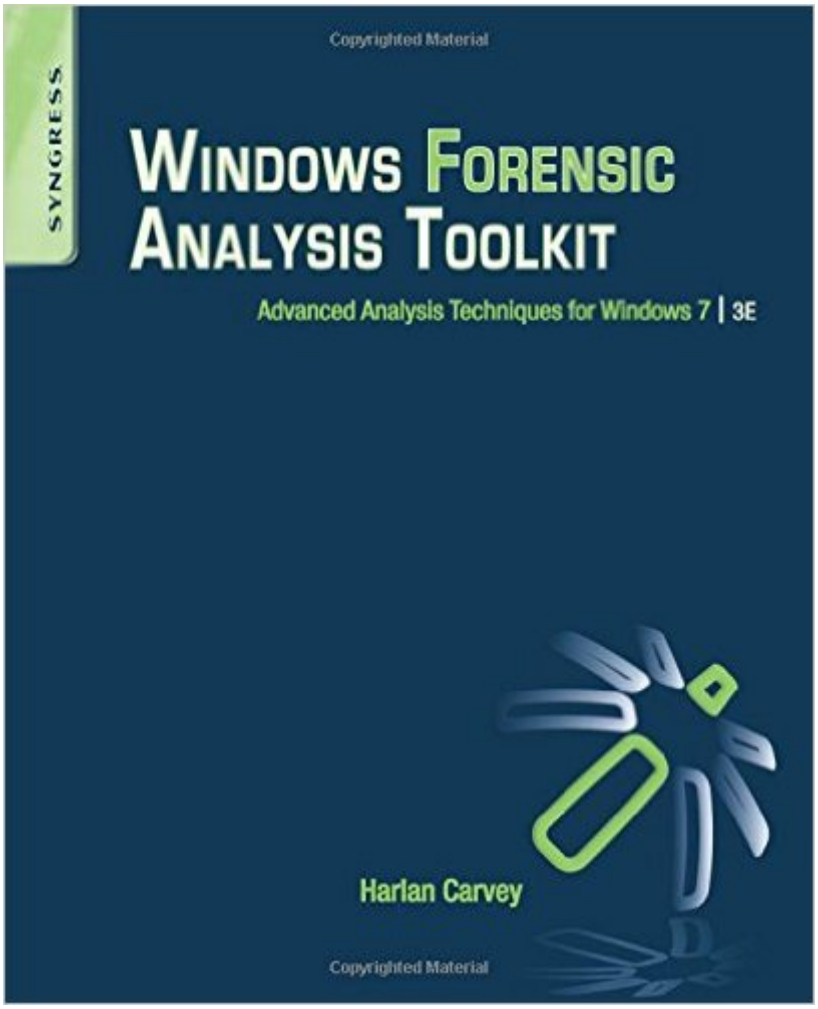
Windows Forensic Analysis Toolkit, Third Edition: Advanced Analysis Techniques For Windows 7



Synopsis

Windows Forensic Analysis Toolkit: Advanced Analysis Techniques for Windows 7 provides an overview of live and postmortem response collection and analysis methodologies for Windows 7. It considers the core investigative and analysis concepts that are critical to the work of professionals within the digital forensic analysis community, as well as the need for immediate response once an incident has been identified. Organized into eight chapters, the book discusses Volume Shadow Copies (VSCs) in the context of digital forensics and explains how analysts can access the wealth of information available in VSCs without interacting with the live system or purchasing expensive solutions. It also describes files and data structures that are new to Windows 7 (or Vista), Windows Registry Forensics, how the presence of malware within an image acquired from a Windows system can be detected, the idea of timeline analysis as applied to digital forensic analysis, and concepts and techniques that are often associated with dynamic malware analysis. Also included are several tools written in the Perl scripting language, accompanied by Windows executables. This book will prove useful to digital forensic analysts, incident responders, law enforcement officers, students, researchers, system administrators, hobbyists, or anyone with an interest in digital forensic analysis of Windows 7 systems.Timely 3e of a Syngress digital forensic bestsellerUpdated to cover Windows 7 systems, the newest Windows versionNew online companion website houses checklists, cheat sheets, free tools, and demos

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Customer Reviews

If you've worked with Windows for any length of time, you know that each subsequent version of Microsoft's operating system tends to be almost the same...and yet entirely different. Windows 7 is no exception, giving us many familiar logs, structures, and artifacts that we know from Windows XP or 2003...only revised and expanded, or in different locations, or in different formats, or all of the above. Not to mention the brand new stuff.Harlan has once again found the sweet spot - instead of fully revising the Second Edition of his book (which would be premature, as most environments still have extensive XP / 2003 infrastructure in place, and likely will for some time), he provides a companion book that builds on his previous volumes and outlines the new technologies and key differences between Windows 7 and earlier versions of the OS.Now that many corporations are finally rolling out Windows 7 in force, forensic examiners are also making the transition to analyzing "new" Windows systems. This book provides the essential reference for Windows 7 analysis. While many of the technologies and techniques in Harlan's book have been discussed on blogs, mailing lists, and at conferences, he has been kind enough to collect the information in one place. In addition, he has been thorough enough to verify and expand upon the information through his own research and analysis, providing real world examples, tips, and cautions along the way.Finally, as always Harlan writes with a keen awareness - both first-hand and through his extensive industry contacts - of what is current "in the field". This encompasses not only the specific questions and challenges faced by real analysts in real cases, but the tools and techniques in use or under development to address those issues.

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