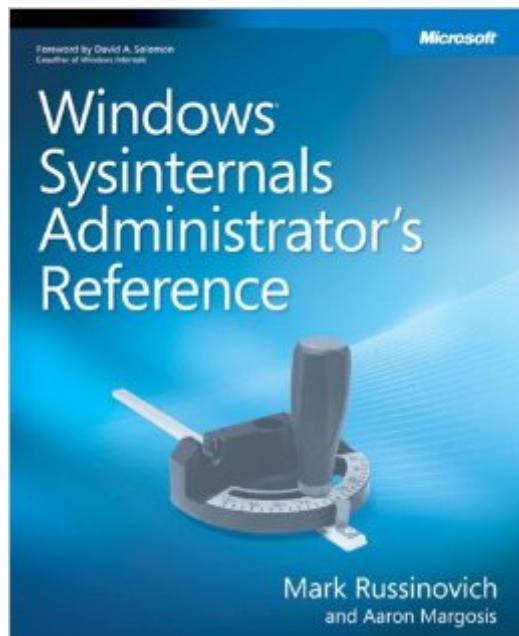


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# Windows Sysinternals Administrator's Reference



## Synopsis

Get in-depth guidance and inside insights for using the Windows Sysinternals tools available from Microsoft TechNet. Guided by Sysinternals creator Mark Russinovich and Windows expert Aaron Margosis, you'll drill into the features and functions of dozens of free file, disk, process, security, and Windows management tools. And you'll learn how to apply the book's best practices to help resolve your own technical issues the way the experts do. Diagnose.

Troubleshoot. Optimize. Analyze CPU spikes, memory leaks, and other system problems Get a comprehensive view of file, disk, registry, process/thread, and network activity Diagnose and troubleshoot issues with Active Directory Easily scan, disable, and remove autostart applications and components Monitor application debug output Generate trigger-based memory dumps for application troubleshooting Audit and analyze file digital signatures, permissions, and other security information Execute Sysinternals management tools on one or more remote computers Master Process Explorer, Process Monitor, and Autoruns

## Book Information

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## Customer Reviews

I was excited to hear that the legendary Mark Russinovich had teamed up with all-around-smart guy Aaron Margosis to put together a guide to the Sysinternals toolset. Titled Windows Sysinternals Administrator's Reference, can get it for your Kindle, or as I did, in old-fashioned dead-tree format, suitable for scribbling in and dog-earing to your heart's content. Now, for the rare techie who's not

already a big fan of the Sysinternals tools, I'll give a bit of background. The collection includes around 70 freeware utilities grouped into six loose categories (Process Utilities, Security Utilities, File and Disk Utilities, Networking Utilities, System Info, and Miscellaneous) the majority of which run on any version of Windows (XP and later). I've been using several of the tools on an almost daily basis for a decade. I use Sysinternals utilities to deeply understand the guts of every product I've ever worked on, and to resolve problems with many pieces of software I otherwise know little about..One of the perks of working in the Windows division at Microsoft is access to the source code of every version of Windows we've shipped in the last decade, but when I want to understand how our software works, I turn to Fiddler and the Sysinternals tools. Why? Because these utilities tell you the truth and show what's really going on. Source code is super-useful, of course, but it's often much more challenging to dig through--there are tens of millions of lines of code to sift through, and they interact in ways that were never formally documented, and sometimes, we find, ways that were never intended. The advantage of using monitoring utilities is that you get to see what's happening, and that usually brings you 90% of the way to a solution.

Fred Sabin (President, New Jersey Computer Club) Review - October 13, 2011Sysinternals is a free suite of advanced Microsoft Windows troubleshooting utilities, originally available from [...] , which now redirects to Microsoft's TechNet Web site at [...] . Written for IT professional and technical users, many are difficult to understand and use "as-is" without a significant understanding of operating systems.This is why the "Windows Sysinternals Administrator's Reference" is so valuable. The book gives an overview of each tool, what it does, and how it does it. It provides background concept information with detailed instructions to facilitate learning, and as you use each tool you will gain experience that will allow you to develop a better understanding of the results.For example, "Task Manager" is included with the Windows operating system to view processes running on your computer. It is relatively simple to use, but it lacks the detailed information necessary to assist in solving anything but the most basic problems. Sysinternals "Process Explorer" (Procexp) is a utility that provides significantly more detailed information, and the initial process tree will make this readily apparent. Unfortunately, as you delve deeper the situation becomes more complex and difficult to understand to those with limited technical training or experience. That is where this book will be a benefit to you. It will assist you in knowing what the information means, and where to go for additional information (or the next step).If you are not familiar with "Task Manager" and how to use it, then these utilities will probably be of little use to you.

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