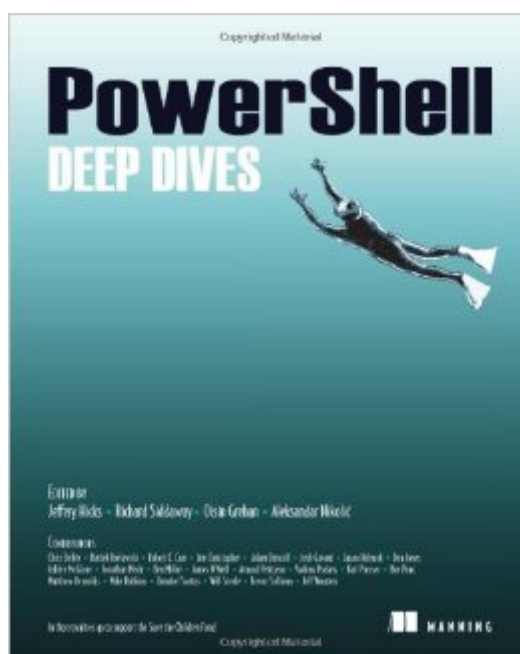


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# PowerShell Deep Dives



## Synopsis

Summary Here's your chance to learn from the best in the business. PowerShell Deep Dives is a trove of essential techniques, practical guidance, and the expert insights you earn only through years of experience. Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic hand-picked the 28 chapters in the book's four parts: Administration, Scripting, Development, and Platforms. About the Technology PowerShell has permanently changed Windows administration. This powerful scripting and automation tool allows you to control virtually every aspect of Windows and most Microsoft servers like IIS and SQL Server. Here's your chance to learn from the best in the business. About this Book PowerShell Deep Dives is a trove of essential techniques and practical guidance. It is rich with insights from experts who won them through years of experience. The book's 28 chapters, grouped in four parts (Administration, Scripting, Development, and Platforms), were hand-picked by four section editors: Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic. Whether you're just getting started with PowerShell or you already use it daily, you'll find yourself returning to this book over and over. What's Inside Managing systems through a keyhole The Ten Commandments of PowerShell scripting Scalable scripting for large datasets Adding automatic remoting Provisioning web servers and websites automatically to IIS 8 And 23 more fantastic chapters Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic are joined by PowerShell experts Chris Bellee, Bartek Bielawski, Robert C. Cain, Jim Christopher, Adam Driscoll, Josh Gavant, Jason Helmick, Don Jones, Ashley McGlone, Jonathan Medd, Ben Miller, James O'Neill, Arnaud Petitjean, Vadims Podans, Karl Prosser, Boe Prox, Matthew Reynolds, Mike Robbins, Donabel Santos, Will Steele, Trevor Sullivan, and Jeff Wouters. Table of Contents PART 1 POWERSHELL ADMINISTRATION Diagnosing and troubleshooting PowerShell remoting CIM sessions 22 Collecting and analyzing performance counter data TCP port communications with PowerShell Managing systems through a keyhole Using PowerShell to audit user logon events Managing and administering a certification authority database with PowerShell Using PowerShell to reduce Active Directory token bloat PART 2 POWERSHELL SCRIPTING The 10 PowerShell scripting commandments Avoiding the pipeline A template for handling and reporting errors Tips and tricks for creating complex or advanced HTML reports with PowerShell Using and "abusing" dynamic parameters PowerShell type formatting Scalable scripting for large data sets: pipeline and database techniques Building your own WMI-based cmdlets Turning command-line tools into PowerShell tools PART 3 POWERSHELL FOR DEVELOPERS Using Source Control Software with PowerShell Inline .NET code PowerShell

and XML: better together Adding automatic remoting to advanced functions and cmdlets Taming software builds (and other complicated processes) with psake PART 4 POWERSHELL PLATFORMS PowerShell and the SQL Server provider Creating flexible subscriptions in SSRS Inventory database table statistics using PowerShell SQL Server Management Objects WSUS and PowerShell Provisioning IIS web servers and sites with PowerShell Active Directory Group Management application

## Book Information

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## Customer Reviews

Most PowerShell books fall into the general categories of manuals, training guides, and cookbooks. This book incorporates elements of all those things, yet manages to be none of them. If you're brand-new to PowerShell, this is not the book to start with. There isn't any time spent ramping up through an introductory chapter. It hits the ground running and doesn't stop until the end. If you need that introductory material, start elsewhere, but wishlist this for later. Looking at the table of contents, it presents much like a cookbook. It shows specific problems or scenarios and promises specific answers. The book does provide all of those things, but you get much more than a bit of script with a short explanatory paragraph. Each subject gets turned inside-out. You are given an explanation of what's going on. You are shown examples of bad script and good script. You are presented with alternatives. Most importantly, you get an inside peek at the thought process behind the solutions and approaches. Even if you don't have direct interest or need in a particular solution, you'll almost undoubtedly learn something valuable from each one. That is one of the great strengths

of this book. Basic PowerShell is simple enough that most anyone can get through some basic operations and scripts without much help. For better or for worse, that can lead to an organic growth of knowledge in which a newcomer can reach a working proficiency level without ever really learning what the tool is capable of. This book fills in those gaps very well and does it by putting expert-grade scripting processes on display. To top it off, all the proceeds of this book are being donated to the Save the Children Fund. When you've got authors at this level donating quality work out of love for the craft and a desire to contribute to the community, you just can't go wrong.

This book covers the topics few (if any) else are, so you won't be getting a volume of more of the same tricks. As another reviewer mentioned, as well, unlike a traditional code cookbook, this doesn't just solve for the topics, but goes truly in depth. If you want to expand your PowerShell repertoire, you can't do much better than this book. Add to that the fact that the proceeds go to Save The Children, and you have a real winner. Seriously, why haven't you bought it already?

If you are a Windows admin or power user, you have no choice but to learn PowerShell, or you will fall behind! There is no finer learning than this book or the course by Don Jones at CBT Nuggets.

In the few years that I have been doing Powershell, I have had the amazing opportunity to meet each of the authors of this book in person. They are all rockstars in the Powershell Community. This is by far one of the best Powershell reference books I have had the pleasure to add to my collection. The content is laid out in such an easy to understand way that for everyone from Powershell newbies to advanced Powershell scripters, this is a must buy book. Thx, ScriptWarrior

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