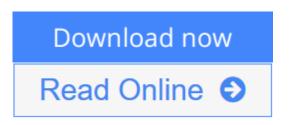# Windows PowerShell for .NET Developers - Second Edition

By Chendrayan Venkatesan, Sherif Talaat

Windows PowerShell for .NET Developers - Second Edition By Chendrayan Venkatesan, Sherif Talaat

Efficiently administer and maintain your development environment with Windows PowerShell

About This Book

- Explore scripting and automation techniques with Windows PowerShell
- Gain concrete knowledge of Windows PowerShell scripting to perform professional level scripting
- Discover the benefits of the Configuration Management Platform with this step-by-step guide that includes real-world scripting examples

Who This Book Is For

If you are an IT professional or developer who has worked on the .Net platform and you want to learn automation using Windows PowerShell, then this book is for you. This self-start guide takes you from the basics and gradually moves to an intermediate level to show you how to perform professional scripting.

What You Will Learn

- Understand the concepts of building PowerShell scripts and the basics of programming
- Manage the LYNC, Exchange, and SharePoint platforms
- Create a Pull server using a SMB file share and HTTP and HTTPS
- Use .NET classes in Windows PowerShell and C# to manage Exchange Online
- Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell
- Automate LYNC clients, consuming Client Server Object Models to administrate SharePoint Online

In Detail

Windows PowerShell 5.0 for .NET Developers is your self-start guide to performing automation using Windows PowerShell. This book will help you to understand the PowerShell syntax and grammar and will also teach you techniques to remove the rough edges of manual deployments. Packed with PowerShell scripts and sample C# codes to automate tasks, it also includes real-world scenarios such as administrating office servers to help you save time and perform deployments swiftly and efficiently.

The book begins with the Windows PowerShell basics, explores the significant features of Windows Management Framework 5.0, covers the basic concepts of Desired State Configuration and the importance of idempotent deployments.

By the end of the book, you will have a good understanding of Windows PowerShell's features and will be able to automate your tasks and manage configuration effectively.

Style and approach

This is an easy-to-follow step-by-step guide with text-enabled screenshots. Each topic is explained with codes and examples. It also includes multiple approaches for a number of tasks to let you choose the best one for you depending on your scenario.

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Editorial Review

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Chendrayan Venkatesan (Chen V) is a SharePoint IT Professional who has worked for the Information, Computer and Technology industry since 2005. Chen V started his career as Windows XP technical support engineer and became a SharePoint IT Pro in the year 2007. He mainly focuses on automating Microsoft Technologies such as SharePoint, LYNC, and Exchange. He was awarded the Microsoft Most Valuable Professional (MVP) in 2014. He speaks on Windows PowerShell, SharePoint Servers, Content Management, and IT Process Automations. He blogs in http://chen.about-powershell.com and is mentoring three IT professionals in PowerShell. He is a TechNet Wiki addict and has introduced Windows PowerShell as a category in the TechNet Wiki Guru award competition. To connect with Chen V you can visit his web site http://about-powershell.com or choose your favourite social media twitter @ChendrayanV or LinkedIn nl.linkedin.com/in/chendrayanv.

Sherif Talaat

Sherif Talaat is a young computer science addict. He holds many technology certificates. Sherif has been working in the ICT industry since 2005. He has worked on the Microsoft's core infrastructure platforms and solutions with more focus on the cloud and data center management, IT Process Automation (ITPA), and scripting techniques. Sherif is one of the early adopters of Windows PowerShell in Middle East and Africa. He speaks about Windows PowerShell at technical events and user groups' gatherings; he is also the founder of Egypt PowerShell User Group and the author of the first and only Arabic PowerShell blog. He has been awarded the Egyptian MCIT Shield and has won the Microsoft Most Valuable Professional (MVP) award for PowerShell seven times in a row since 2009. He is also the author of three different Windows PowerShell titles for IT professionals and developers. Last but not least, he is also a TED conference speaker. You can learn more about him at http://sheriftalaat.com and follow him on Twitter @SherifTalaat.

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