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# Microsoft Hyper-V PowerShell Automation

Von Vinith Menon

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## Microsoft Hyper-V PowerShell Automation

Manage, automate, and streamline your Hyper-V environment effectively with advanced PowerShell cmdlets

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KundenrezensionenHilfreichste Kundenrezensionen0 von 0 Kunden fanden die folgende Rezension hilfreich. Tolles Buch fr Einsteiger und FortgeschritteneVon MichaelIch bin selbst ein PowerUser was PowerShell angeht, aber ich konnte in diesem Buch immer wieder was neues finden.Das Buch beschftigt sich mit PowerShell in Verbindung mit HyperV und deren Automatisierung. Bis ins kleinste Details werden Beispiele gezeigt und erklrt.Wie ich finde ein tolles Buch.

KurzbeschreibungManage, automate, and streamline your Hyper-V environment effectively with advanced PowerShell cmdletsAbout This BookExplore the new features in Hyper-V in Windows Server 2012 R2 and also learn to automate them using PowerShellTake advantage of numerous Hyper-V best practices for administrators with re-

usable PowerShell scripts Implement your learning immediately with practical instructions and examples Who This Book Is For This book is great for administrators who are new to automating Hyper-V administration tasks using PowerShell. If you are familiar with the PowerShell command line and have some experience with the Windows Server, this book is perfect for you. What You Will Learn Understand and optimize the new features of Hyper-V on Windows Server 2012 R2 Install and configure your Hyper-V environment on a Windows Server environment using PowerShell Extract information about Hyper-V hosts and the associated virtual machines Create, delete, start, and stop virtual machines and configure their properties Utilize Hyper-V PowerShell module cmdlets to create reusable PowerShell scripts Integrate your Hyper-V environment for enterprise-level management using SCVMM to create and manage private clouds Troubleshoot your Hyper-V environment with PowerShell and custom scripts In Detail Windows PowerShell is a task-based command-line shell and scripting language designed especially for system administration. Hyper-V is Microsoft's hypervisor that creates and runs virtual machines. Hyper-V for Windows PowerShell provides IT pros with an easy way to enable automation of management tasks within Windows Server. The Hyper-V PowerShell module includes several significant features that extend its use, improve its usability, and allow you to control and manage your Hyper-V environment with more granular control. This book explores the new features made available with Hyper-V version 3, and breaks down the mystery and confusion that surrounds which feature to use and when. It also teaches you the PowerShell way to automate the usage of these features. It will take you through a number of practical examples that will help you take advantage of the Hyper-V version 3 cmdlets efficiently. You will also learn how to use Hyper-V version 3 PowerShell cmdlets to install and configure Hyper-V in a Windows Server environment and also learn about the various administration tasks in detail. You will learn everything you need to get started with administering your Hyper-V environment using PowerShell. Kurzbeschreibung Manage, automate, and streamline your Hyper-V environment effectively with advanced PowerShell cmdlets About This Book Explore the new features in Hyper-V in Windows Server 2012 R2 and also learn to automate them using PowerShell Take advantage of numerous Hyper-V best practices for administrators with re-usable PowerShell scripts Implement your learning immediately with practical instructions and examples Who This Book Is For This book is great for administrators who are new to automating Hyper-V administration tasks using PowerShell. If you are familiar with the PowerShell command line and have some experience with the Windows Server, this book is perfect for you. What You Will Learn Understand and optimize the new features of Hyper-V on Windows Server 2012 R2 Install and configure your Hyper-V environment on a Windows Server environment using PowerShell Extract information about Hyper-V hosts and the associated virtual machines Create, delete, start, and stop virtual machines and configure their properties Utilize Hyper-V PowerShell module cmdlets to create reusable PowerShell scripts Integrate your Hyper-V environment for enterprise-level management using SCVMM to create and manage private clouds Troubleshoot your Hyper-V environment with PowerShell and custom scripts In Detail Windows PowerShell is a task-based command-line shell and scripting language designed especially for system administration. Hyper-V is Microsoft's hypervisor that creates and runs virtual machines. Hyper-V for Windows PowerShell provides IT pros with an easy way to enable automation of management tasks within Windows Server. The Hyper-V PowerShell module includes several significant features that extend its use, improve its usability, and allow you to control and manage your Hyper-V environment with more granular control. This book explores the new features made available with Hyper-V version 3, and breaks down the mystery and confusion that surrounds which feature to use and when. It also teaches you the PowerShell way to automate the usage of these features. It will take you through a number of practical examples that will help you take advantage of the Hyper-V version 3 cmdlets efficiently. You will also learn how to use Hyper-V version 3 PowerShell cmdlets to install and configure Hyper-V in a Windows Server environment and also learn about the various administration tasks in detail. You will learn everything you need to get started with administering your Hyper-V environment using PowerShell.

ber den Autor und weitere Mitwirkende Vinith Menon Vinith Menon has extensive experience in the IT industry. At the beginning of his career, he was working with a leading consulting firm as a senior systems engineer managing Windows Server and the VMware virtualization environment. He was also extensively involved in automation using scripting. Later, he worked with another platinum-level consulting company as a senior software engineer and managed Microsoft Hyper-V and NetApp environments for Avanade using PowerShell scripting. Vinith has done automation for tasks that earlier required manual work using Opalis and integrated them with PowerShell scripting. He has also built integration packs using PowerShell for Microsoft System Center Orchestrator. He has extensive knowledge of Hyper-V and the management of virtual machine environments using System Center Virtual Machine Manager. He has in-depth technical expertise in PowerShell scripting, Active Directory, server administration, and network management. Vinith is now part of Microsoft Business Unit Technology Evangelism with NetApp. At the moment, he is interested in the automation of various PowerShell scripting, Microsoft Hyper-V virtualization, Microsoft Exchange, and System Center technologies such as SCSM, SCOM, and SCORCH 2012. As a subject matter expert of Hyper-V and PowerShell, he blogs and supports the NetApp PowerShell community. Vinith is very passionate about automation and PowerShell scripting. You can find him frequently blogging about virtualization, PowerShell, and all automation-related information that deals with Microsoft System Center, Windows Server, and client operating systems. He is also an active member of the PowerShell Bangalore User

Group and loves sharing his knowledge with like-minded techies.