

# Mastering Hyper V 2012 R2 With System Center And Windows Azure

**CO Houle** 

# Mastering Hyper V 2012 R2 With System Center And Windows Azure:

Mastering Hyper-V 2012 R2 with System Center and Windows Azure John Savill, 2014-04-11 This book will help you understand the capabilities of Microsoft Hyper V architect a Hyper V solution for your datacenter plan a deployment migration and then manage it all using native tools and System Center Coverage also includes hybrid cloud scenarios specifically with Windows Azure to complete the full virtualization piece of providing data both on premise and off premise In addition you will explore the Windows Azure capabilities for virtual machines and managing a hybrid cloud including Windows Azure's Internet as a Service IaaS and storage capabilities how seamless management is possible with PowerShell and System Center plus how Azure Storage can play a part in a company's complete solution Key topics covered include virtualization fundamentals network virtualization storage configuration Hyper V management and maintenance failover clustering and migration Hyper V replica and cloud orchestration private cloud implementation Azure IaaS Azure storage managing with PowerShell Hyper V decoding and Windows Server 2012 R2 integration **Mastering Microsoft Azure Infrastructure Services** John Savill,2015-04-01 Understand create deploy and maintain a public cloud using Microsoft Azure Mastering Microsoft Azure Infrastructure Services guides you through the process of creating and managing a public cloud and virtual network using Microsoft Azure With step by step instruction and clear explanation this book equips you with the skills required to provide services both on premises and off premises through full virtualization providing a deeper understanding of Azure's capabilities as an infrastructure service Each chapter includes online videos that visualize and enhance the concepts presented in the book and access to a Windows app that provides instant Azure updates and demonstrates the process of going from on premises to public cloud via Azure Coverage includes storage customization connectivity virtual networks backing up hybrid environments System Center management and more giving you everything you need to understand evaluate deploy and maintain environments that utilize Microsoft Azure Understand cost options and applications of Infrastructure as a Service IaaS Enable on and off premises connectivity to Azure Customize Azure templates and management processes Exploit key technologies and embrace the hybrid environment Mastering Microsoft Azure Infrastructure Services is your total solution Mastering Windows Server 2016 Hyper-V John Savill, 2016-11-29 Build a seamless flexible full service datacenter solution Microsoft Windows Server 2016 Hyper V is the IT administrator s guide to this rising datacenter solution Hyper V has already surpassed VMWare in datacenter management identity service for multiple devices and more this book shows you how to harness the power of this hypervisor to simplify the infrastructure reduce costs improve productivity and better manage system resources From a tour of the technology through architecture deployment and integration of System Center Microsoft Azure and Microsoft Azure Stack the discussion illustrates the skills you need to create a complete solution for optimum enterprise management Coverage includes Windows Azure capabilities for virtual machines managing a hybrid cloud IaaS storage capabilities PowerShell and more with practical real world

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McCabe, Robert Panek, Michael Rice, Stefan Röth, 2013-12-03 Check out the new Hyper V find new and easier ways to remotely connect back into the office or learn all about Storage Spaces these are just a few of the features in Windows Server 2012 R2 that are explained in this updated edition from Windows authority Mark Minasi and a team of Windows Server experts led by Kevin Greene This book gets you up to speed on all of the new features and functions of Windows Server and includes real world scenarios to put them in perspective If you re a system administrator upgrading to migrating to or managing Windows Server 2012 R2 find what you need to do the job in this complete resource Learn all about Installing or upgrading to and managing Windows Server 2012 R2 Understanding Microsoft NIC teams 2012 and PowerShell Setting up via GUI or updated Server Core 2012 Migrating merging and modifying your Active Directory Managing address spaces with IPAM Understanding new shared storage spaces and better tools Controlling access to file shares a new and improved approach Using and administering Remote Desktop Virtual Desktop and Hyper V Windows Server 2016 Hyper-V Cookbook Patrick Lownds, Charbel Nemnom, Leandro Carvalho, 2017-01-18 Save time and resources by getting to know the best practices and intelligence from industry experts About This Book This book helps you gain a fresh perspective through a recipe based approach on the new Microsoft Server 2016 Hyper V Over 80 recipes to help you master the administrative tasks of Hyper V and get to grips with advanced solutions and techniques for virtualization These hands on advanced recipes will help you deploy maintain and upgrade Hyper V virtual machines Who This Book Is For This book is for Hyper V administrators who are looking to take advantage of all exciting new features that Microsoft Server 2016 Hyper V has to offer What You Will Learn Install and manage Hyper V in Full Server Core and Nano Server Get to know how to migrate and upgrade physical and virtual machines Configure disks network memory security and auditing settings for virtual machines Take a deep dive into high availability and disaster recovery Save time and money by getting to grips with PowerShell automation Understand the new features around network and nested virtualization distributed storage QoS Hyper V Replica and much more Gain a full view of your virtual machines and host servers through monitoring reporting and troubleshooting tips In Detail Hyper V is a Windows based very cost effective virtualization solution with easy to use and well known administrative consoles With this book on your side you will master the worlds of Hyper V deployment migration and management by learning tips tricks and best practices especially when it comes to advanced level tasks You will learn how to quickly deploy and automate multiple VMs and support Hyper V clusters through different installation methods You will learn the concepts efficiently with the help of up to date real world examples and improve the scalability and efficiency of large scale VM deployments with Nano Server By the end of this book you will be an ace Windows Server 2016 Hyper V with the skills needed to administer and manage it effectively and survive in the brave new world of mobile first cloud first Further take advantage of bonus appendix explaining Hyper V and backup architecture and the difference between versions Style and approach This advanced level book provides step by step recipes on real world examples so you can get practical hands

on experience of the subjects Mastering System Center 2012 Operations Manager Bob Cornelissen, Paul Keely, Kevin Greene, Ivan Hadzhiyski, Samuel M. Allen, Telmo Sampaio, 2012-10-18 An essential guide on the latest version of Microsoft s server management tool Microsoft's powerful Mastering System Center 2012 Operations Manager introduces many exciting new and enhanced feature sets that allow for large scale management of mission critical servers This comprehensive guide provides invaluable coverage to help organizations monitor their environments across computers network and storage infrastructures while maintaining efficient and effective service levels across their applications Provides intermediate and advanced coverage of all aspects of Systems Center 2012 Operations Manager including designing planning deploying managing maintaining and scripting Operations Manager Offers a hands on approach by providing many real world scenarios to show you how to use the tool in various contexts Anchors conceptual explanations in practical application Mastering System Center 2012 Operations Manager clearly shows you how this powerful server management tool can best be used to serve your organization s needs Getting Started with Nano Server Charbel Nemnom, 2017-06-30 Remain highly competitive in the server and VM market by gaining the practical skills needed to operate Nano Server About This Book The days of the local server are numbered and this book will make you an ace by giving you the skills needed to administer Nano Server and survive in the brave new server world Learn to quickly automate multiple VMs and support Hyper V clusters all through small footprints from a single host Apply up to date real world examples presented in this book and improve the scalability and efficiency of large scale VM deployments Who This Book Is For This book opens up new potential for both developers and IT pros alike The book is primarily for Server administrators and IT Professionals who would like to deploy and administer Nano Server within their organizations and for developers who are trying to make maximal use of Server Containers and Hyper V Containers with Nano Servers What You Will Learn Understand Nano Server Deploy Nano Server Deploy Hyper V Clusters on Nano Server Deploy Nano Server with SCVMM Manage Nano Server using PowerShell and Remote Server Management Tools Manage Nano Server with third party tools Run Server Containers and Hyper V Containers on Nano Server Troubleshoot Nano Server Validate developed applications that run on Nano Server In Detail Nano Server allows developers and operations teams to work closely together and use containers that package applications so that the entire platform works as one The aim of Nano Server is to help applications run the way they are intended to It can be used to run and deploy infrastructures acting as a compute host storage host container or VM guest operating system without consuming significant resources Although Nano Server isn t intended to replace Server 2016 or 2012 R2 it will be an attractive choice for developers and IT teams Want to improve your ability to deploy a new VM and install and deploy container apps within minutes You have come to the right place The objective of this book is to get you started with Nano Server successfully The journey is quite exciting since we are introducing you to a cutting edge technology that will revolutionize today s datacenters We ll cover everything from the basic to advanced topics You ll discover a lot of added

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replication private cloud and more I am a strong believer in learning by doing and therefore I highly encourage you to try out all of the technologies and principles I cover in this book You don't need a huge lab environment Mastering Hyper-V Deployment Aidan Finn, 2010-11-09 The only book to take an in depth look at deploying Hyper V Now in its second generation the popular Hyper V boasts technical advances that create even more dynamic systems than ever before This unique resource serves an authoritative guide to deploying Windows Server 2008 R2 Hyper V comprehensively Step by step instructions demonstrate how to design a Hyper V deployment build a Hyper V host environment and design a management system with System Center Virtual Machine Manager 2008 R2 Features real world examples that show you how to design a Hyper V deployment build a Hyper V host environment and design a management system Walks you through incorporating System Center Operations Manager 2008 R2 System Center Data Protection Manager 2010 and System Center Essentials 2010 Offers authoritative coverage of Hyper V security business continuity and an array of VM roles including domain controllers Exchange Server SQL Server and System Center This in depth quide is the ultimate resource for system administrators engineers and architects and IT consultants deploying Hyper V Windows Server 2016 Hyper-V Cookbook -Second Edition Charbel Nemnom, Patrick Lownds, 2016-10-31 Save time and resources by getting to know the best practices and intelligence from industry expertsAbout This Book This book helps you gain a fresh perspective through a recipe based approach on the new Microsoft Server 2016 Hyper V Over 80 recipes to help you master the administrative tasks of Hyper V and get to grips with advanced solutions and techniques for virtualization These hands on advanced recipes will help you deploy maintain and upgrade Hyper V virtual machinesWho This Book Is ForThis book is for Hyper V administrators who are looking to take advantage of all exciting new features that Microsoft Server 2016 Hyper V has to offer What you will learn Install and manage Hyper V in Full Server Core and Nano Server Get to know how to migrate and upgrade physical and virtual machines Configure disks network memory security and auditing settings for virtual machines Take a deep dive into high availability and disaster recovery Save time and money by getting to grips with PowerShell automation Understand the new features around network and nested virtualization distributed storage QoS Hyper V Replica and much more Gain a full view of your virtual machines and host servers through monitoring reporting and troubleshooting tips Take advantage of a bonus appendix that explains Hyper V and backup architecture and the difference between versions of Hyper VIn DetailHyper V is a Windows based very cost effective virtualization solution with easy to use and well known administrative consoles You will master Hyper V deployment migration and management by learning tips tricks and best practices especially when it comes to advanced level tasks You will learn how to quickly deploy and automate multiple VMs and support Hyper V clusters through different installation methods You will learn the concepts efficiently with the help of up to date real world examples and improve the scalability and efficiency of large scale VM deployments with Nano Server By the end of this book you will be an ace Windows Server 2016 Hyper V with the skills needed to administer and manage it effectively and survive

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Windows Server 2012 Hyper-V Cookbook Leandro Carvalho,2012-11-23 Windows Server 2012 Hyper V Cookbook is a practical cookbook packed with recipes showing and explaining all the features and components of Hyper V You ll learn from best practices tips and tricks and examples of how to automate daily and common tasks If you are an administrator who wants to master Microsoft Server Virtualization with Windows Server 2012 Hyper V then this book is for you You should be comfortable with virtualization concepts and practices and knowledge of previous versions of Windows Server would be an advantage Windows Server 2012 Hyper-V Installation and Configuration Guide Aidan Finn,Patrick Lownds,Michel Luescher,Damian Flynn,2013-03-12 Go to guide for using Microsoft's updated Hyper V as a virtualization solution Windows Server 2012 Hyper V offers greater scalability new components and more options than ever before for large enterprise systems and small medium businesses Windows Server 2012 Hyper V Installation and Configuration Guide is the place to start learning about this new cloud operating system You ll get up to speed on the architecture basic deployment and upgrading creating virtual workloads designing and implementing advanced network architectures creating multitenant

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