

## Windows Server 2016 Automation With Powershell Cookbook Second Edition Powerful Ways To Automate And Manage Windows Administrative Tasks

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3.1 Implementing DNS on Windows Server 2016 (Step by Step guide) *Introduction to Active Directory Infrastructure in Windows Server 2012 Adding Windows Computers to a Windows Server 2012 Domain How DNS Servers Powershell System HOW TO SECURE HYPER-V SERVER Top tips to secure servers Infrastructure | PART 1 How to Install \u0026amp; Configure a WS Server Windows Server 2019 Video 10 - Windows Server 2019 Training Installation, Storage, and Compute with Windows Server 2016 (Exam 70-740) Windows Server 2016 | Installing and Configuring DNS, DHCP, DNS | Windows Server 2016 Networking with Windows Server 2016 (Exam 70-741) 04. How to configure Storage Spaces on Windows Server 2016 (Step by Step guide) Part 7 - An Introduction to Windows Server 2016 Container In-depth Windows Server 2016 Basics \u0026amp; Features | CBP Nuggets Windows Server 2016 Automation With*

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks. Key Features. Automate Windows server tasks with the powerful features of the PowerShell Language; Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell

**Windows Server 2016 Automation with PowerShell Cookbook ...**

Windows Server 2016 Automation with PowerShell Cookbook: Powerful ways to automate and manage Windows administrative tasks, 2nd Edition eBook: Lee, Thomas: Amazon.co.uk: Kindle Store

**Windows Server 2016 Automation with PowerShell Cookbook ...**

This book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module, Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories.

**Windows Server 2016 Automation with PowerShell Cookbook ...**

Configuration as code: Automating Windows Server 2016 configuration with PowerShell and DSC. Microsoft IT manages thousands of servers across the company, and the process of reconfiguring servers was tedious and potentially inconsistent. Now, using automated configuration with PowerShell and DSC, we can define configuration logic and make changes programmatically in Windows Server.

**Configuration as code: Automating Windows Server 2016 ...**

Windows Server 2016 Automation with PowerShell Cookbook - Second Edition. Mike F Robbins October 12, 2017. October 6, 2017. 2. One of the projects that I've been a part of this year that's now complete is Windows Server 2016 Automation with PowerShell Cookbook - Second Edition written by Thomas Lee and published by Packt Publishing .

**Windows Server 2016 Automation with PowerShell Cookbook ...**

virtualisation layers in Windows Server 2016 helps disrupt standard attacker toolkits and isolate vulnerable targets, making the server OS an active participant in its own defence. The security features in Windows Server 2016 help slow down attacker progress within the environment by protecting administrator

**The Ultimate Guide to Windows Server 2016**

But if you need to manually initiate automatic boot, follow the steps in this guide - Boot to Windows Server 2016 Recovery Mode Without Installation Media (DVD or USB). When automatic repair displays Choose an option, click Troubleshoot. Then, at Advanced options screen, click Command Prompt. Select a user with admin privilege.

**Windows Server 2016 Automatic Repair Loop Fix ...**

Windows Server 2016 and Windows 10 includes a new PackageManagement feature (formerly called OneGet) that enables IT Professionals or DevOps to automate software discovery, installation, and inventory (SDII), locally or remotely, no matter what the installer technology is and where the software is located.

**What's New in Windows Server 2016 | Microsoft Docs**

Before you involve Office as a server-side component in your project, consider alternatives. Most server-side Automation tasks involve document creation or editing. Office 2007 supports new Open XML file formats that let developers create, edit, read, and transform file content on the server side.

**Considerations for server-side Automation of Office**

The Microsoft Evaluation Center brings you full-featured Microsoft product evaluation software available for download or trial on Microsoft Azure.

**Try Windows Server 2016 on Microsoft Evaluation Center**

Configure automatic updates for Windows Server 2016 In this post we will show you how to use group policy to configure computers within an Active Directory domain to perform automatic Windows updates from either the Internet or a WSUS server that you manage.

**Configure automatic updates for Windows Server 2016**

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks. About This Book. Automate Windows server tasks with the powerful features of the PowerShell Language; Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell

**Windows Server 2016 Automation with PowerShell Cookbook ...**

Download the logon.bgi file which holds the preferred settings. Extract and cleanup the LogonBgi.zip file in the BgInfo folder. Create the registry key (regkey) to AutoStart the BgInfo tool in combination with the logon.bgi config file. Start BgInfo for the first time. Exit the PowerShell window upon completion.

**TechNet PowerShell: BgInfo Automation script for Windows ...**

Azure Automation Update Management relies on the Windows Update client to download and install Windows updates. There are specific settings that are used by the Windows Update client when connecting to Windows Server Update Services (WSUS) or Windows Update. Many of these settings can be managed with: Local Group Policy Editor

**Configure Windows Update settings for Azure Automation ...**

Hello Select your address Best Sellers Today's Deals New Releases Gift Ideas Books Electronics Customer Service Today's Deals New Releases Gift Ideas Books Electronics Customer Service

**Windows Server 2016 Automation with PowerShell Cookbook ...**

AnthillPro, build automation with pipeline support for deployment automation and testing.Cross-platform, cross-language; Apache Continuum - discontinued; Azure DevOps (formerly TFS and VSTS), can be Azure-hosted services or self-hosted server build capabilities; Bamboo, continuous-integration software; Bitbucket Pipelines and Deployments, continuous integration for Bitbucket hosted repositories

**Over 100 PowerShell recipes for working more effectively with Windows Server 2022/2019 Key Features:** Develop a holistic understanding of Windows Server 2022/2019 with PowerShell 7.1 Learn best practices for PowerShell scripting to automate common tasks and manage AD, enterprise security, WMI, Azure, and .NET 5 Discover new ways to optimize your PowerShell code by working through easy-to-follow recipes Book Description: With a foreword from PowerShell creator Jeffrey Snover, this heavily updated edition is designed to help you learn how to use PowerShell 7.1 effectively and manage the core roles, features, and services of Windows Server 2022/2019 in an enterprise setting. Brand new to this edition are recipes exploring the .NET Framework, enterprise server security, and managing Windows Server with Windows Management Instrumentation (WMI). This latest edition equips you with over 100 recipes you'll need in day-to-day work, covering the fundamental and more advanced use cases. We look at how to install and configure PowerShell 7.1, along with useful new features and optimizations, and how the PowerShell compatibility solution bridges the gap to older versions of PowerShell. Topics include using PowerShell to manage networking and DHCP in Windows Server, objects in Active Directory, Hyper-V, and Azure. Debugging is crucial, so the book shows you how to use some powerful tools to diagnose and resolve issues with Windows Server. What You Will Learn: Perform key admin tasks on Windows Server 2022/2019 Keep your organization secure with JEA, group policies, logs, and Windows Defender Use the .NET Framework for administrative scripting Manage data and storage on Windows, including disks, volumes, and filesystems Create and configure Hyper-V VMs, implementing storage replication and checkpoints Set up virtual machines, websites, and shared files on Azure Report system performance using built-in cmdlets and WMI to obtain single measurements Apply the right tools and modules to troubleshoot and debug Windows Server Who this book is for: This book is for systems administrators, software architects, developers, or engineers working with Windows Server 2022/2019 seeking to automate tasks more effectively with PowerShell 7.1. Basic knowledge of PowerShell is expected.

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks About This Book Automate Windows server tasks with the powerful features of the PowerShell Language Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell Improve PowerShell's usability, and control and manage Windows-based environments by working through inviting recipes Who This Book Is For If you are a systems administrator, engineer, or an architect working with Windows Server 2016 and want to automate tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected. What You Will Learn Streamline routine administration processes\* Improve the performance and storage of your Windows server with enhanced large-scale PowerShell scripts\* Use DSC to leverage Windows server features Generate automatic reports that highlight unexpected changes in your environment Monitor performance and report on system utilization using detailed graphs and analysis Create and manage a reliable and redundant Hyper-V environment Manage your enterprise's patch level Utilize multiple tools and protocols to manage your environment In Detail This book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module, Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories. You'll then move on to the Networking module, where you'll manage Windows network services and network shares. The last module covers Azure and DSC, where you will use Azure on PowerShell and DSC to easily maintain Windows servers. Style and approach This is a practical guide packed with attractive recipes to help you effectively use PowerShell to accelerate your daily administrative tasks with Windows server.

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasksAbout This Book\* Automate Windows server tasks with the powerful features of the PowerShell Language\* Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell\* Improve PowerShell's usability, and control and manage Windows-based environments by working through inviting recipesWho This Book Is ForIf you are a systems administrator, engineer, or an architect working with Windows Server 2016 and want to automate tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected.What You Will Learn\* Streamline routine administration processes\* Improve the performance and storage of your Windows server with enhanced large-scale PowerShell scripts\* Use DSC to leverage Windows server features\* Generate automatic reports that highlight unexpected changes in your environment\* Monitor performance and report on system utilization using detailed graphs and analysis\* Create and manage a reliable and redundant Hyper-V environment\* Manage your enterprise's patch level\* Utilize multiple tools and protocols to manage your environment In DetailThis book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module, Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories. You'll then move on to the Networking module, where you'll manage Windows network services and network shares.The last module covers Azure and DSC, where you will use Azure on PowerShell and DSC to easily maintain Windows servers.Style and approachThis is a practical guide packed with attractive recipes to help you effectively use PowerShell to accelerate your daily administrative tasks with Windows server.

Automate Windows server tasks with the powerful features of the PowerShell Language Key Features Leverage PowerShell to automate complex Windows server tasks Master new features such as DevOps, containers, and speed up their performance using PowerShell Improve PowerShell's usability, and control and manage Windows-based environments by working through exciting recipes Book Description Windows Server 2019 represents the latest version of Microsoft's flagship server operating system. It also comes with PowerShell Version 5.1 and has a number of additional features that IT pros find useful. The book helps the reader learn how to use PowerShell and manage core roles, features, and services of Windows Server 2019. You will begin with creating a PowerShell Administrative Environment that has updated versions of PowerShell and the Windows Management Framework, updated versions of the .NET Framework, and third-party modules. Next, you will learn to use the PowerShell to set up and configure Windows Server 2019 networking and also managing objects in the AD environment. You will also learn to set up a host to utilize containers and how to deploy containers. You will also be implementing different mechanisms for achieving desired state configuration along with getting well versed with Azure infrastructure and how to setup Virtual Machines, web sites, and shared files on Azure. Finally, you will be using some powerful tools you can use to diagnose and resolve issues with Windows Server 2019. By the end of the book, you will learn a lot of trips and tricks to automate your windows environment with PowerShell What you will learn Perform key admin tasks on Windows Server 2019 Employing best practices for writing PowerShell scripts and configuring Windows Server 2019 Use the .NET Framework to achieve administrative scripting Set up VMs, websites, and shared files on Azure Report system performance using built-in cmdlets and WMI to obtain single measurements Know the tools you can use to diagnose and resolve issues with Windows Server Who this book is for If you are a systems administrator, engineer, or an architect working with Windows Server 2016 interested in upgrading to Windows Server 2019 and automating tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected.

The IT pro's must-have guide to Windows Server 2016 Mastering Windows Server 2016 is a complete resource for IT professionals needing to get quickly up to date on the latest release. Designed to provide comprehensive information in the context of real-world usage, this book offers expert guidance through the new tools and features to help you get Windows Server 2016 up and running quickly. Straightforward discussion covers all aspects, including virtualization products, identity and access, automation, networking, security, storage and more, with clear explanations and immediately-applicable instruction. Find the answers you need, and explore new solutions as Microsoft increases their focus on security, software-defined infrastructure, and the cloud; new capabilities including containers and Nano Server, Shielded VMs, Failover Clustering, PowerShell, and more give you plenty of tools to become more efficient, more effective, and more productive. Windows Server 2016 is the ideal server for Windows 10 clients, and is loaded with new features that IT professionals need to know. This book provides a comprehensive resource grounded in real-world application to help you get up to speed quickly. Master the latest features of Windows Server 2016 Apply new tools in real-world scenarios Explore new capabilities in security, networking, and the cloud Gain expert guidance on all aspect of Windows Server 2016 migration and management System administrators tasked with upgrading, migrating, or managing Windows Server 2016 need a one-stop resource to help them get the job done. Mastering Windows Server 2016 has the answers you need, the practicality you seek, and the latest information to get you up to speed quickly.

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Saute your way through more than 100 hands-on recipes designed to prepare any server administrator to work with Windows Server 2016 About This Book Get the first book on the market to unleash the power of Windows Server 2016, which improves the lives of thousands of enterprise users Be the first to leverage the advent of Containers and Nano Server on Windows Server 2016, which utilizes the resources efficiently and increases productivity. This practical, recipe-based approach helps you to delivering global-scale cloud services into your infrastructure using Windows Server 2016 Who This Book Is For This book is for system administrators and IT professionals with experience in Windows Server 2012 R2 environments who are looking to acquire the skills and knowledge necessary to manage and maintain the core infrastructure required for a successful network. Navigate the new Server 2016 interface automatically Implement solid networking and security practices into your Windows Server environment Design your own PKI and start issuing certificates today Explore the brand-new Nano Server functionality Enable nested virtualization on Hyper-V and Server Connect your remote laptops back to the corporate network using Microsoft's own remote access technologies, including DirectAccess Provide a centralized point for users to access applications and data by configuring Remote Desktop Services Compose optimal Group Policies Facilitate task automation with PowerShell 5.0 scripting In Detail This hands-on Cookbook is stuffed full of practical recipes that will help you handle the essential administrative tasks in Windows Server 2016. You'll start by familiarizing yourself with the look and feel of Windows Server 2016, and will then learn how to navigate through some daily tasks using the graphical interface. You will see how to compose optimal Group Policies and facilitate task automation with PowerShell 5.0 scripting. We will also take a look at the functions available to provide remote network access to your traveling users, and explore the much anticipated Nano Server and Hyper-V built-in integration support that is brand new in Windows Server 2016. By the end of this book, you will know how to take your Windows Server 2016-powered server and turn it into any common infrastructure role that might be required in your company. Style and approach The book follows a recipe-based approach that starts with an introduction and the installation of Windows Server 2016, then dives into the powerful features, and then ends with the concept of security.

Obtain enterprise agility and continuous delivery by implementing DevOps with Windows Server 2016 About This Book This practical learning guide will improve your application lifecycle management and help you manage environments efficiently Showcase through a sample application ways to apply DevOps principles and practices in the real world Implement DevOps using latest technologies in Windows Server 2016 such as Windows Container, Docker, and Nano Servers Who This Book Is For This book is for .NET developers and system administrators who have a basic knowledge of Windows Server 2016 and are now eager to implement DevOps at work using Windows Server 2016. Knowledge of PowerShell, Azure, and containers will help. What You Will Learn Take a deep dive into the fundamentals, principles, and practices of DevOps Achieve an end-to-end DevOps implementation Execute source control management using GitHub and VSTS vNext Automate the provisioning and configuration of infrastructure Build and release pipeline Measure the success of DevOps through application instrumentation and monitoring In Detail Delivering applications swiftly is one of the major challenges faced in fast-paced business environments. Windows Server 2016 DevOps is the solution to these challenges as it helps organizations to respond faster in order to handle the competitive pressures by replacing error-prone manual tasks using automation. This book is a practical description and implementation of DevOps principles and practices using the features provided by Windows Server 2016 and VSTS vNext. It jumps straight into explaining the relevant tools and technologies needed to implement DevOps principles and practices. It implements all major DevOps practices and principles and takes readers through it from envisioning a project up to operations and further. It uses the latest and upcoming concepts and technologies from Microsoft and open source such as Docker, Windows Container, Nano Server, DSC, Pester, and VSTS vNext. By the end of this book, you will be well aware of the DevOps principles and practices and will have implemented all these principles practically for a sample application using the latest technologies on the Microsoft platform. You will be ready to start implementing DevOps within your project/engagement. Style and approach This practical, learning book is linear and progressive, and every chapters builds on the previous chapters. We focus on the practical skills required to implement DevOps, with a summary of the key concepts only where strictly necessary.

This super-sized desktop reference combines two personal training guides in one convenient volume. Completely updated for Windows Server 2016 RTM and covering all editions of the operating system. Over 250,000 words. Includes: Windows Server 2016: Essentials for Administration Windows Server 2016: Server Infrastructure Inside you'll find expert insights, tips, tricks and workarounds that will save time and help you get the job done by giving you the right information right now. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. Like the individual books themselves and all IT Pro Solutions books, this reference set will be updated periodically to keep pace with the changes in Windows Server 2016. Pricing of this set is based on the MSRP of \$29.99 for each ebook. From time to time you may find introductory or sale pricing of the individual books. Topics covered include: Planning for Windows Server 2016 and developing a deployment plan Using containers, virtualization and nano server Configuring server roles, services and features Managing and troubleshooting Active Directory Creating and managing user, group and computer accounts Monitoring and tuning performance Optimizing security settings, policies and templates Managing file services and data storage Configuring file sharing Managing share permissions and auditing resource usage Using group policy for administration Configuring and maintaining print services Deploying essential infrastructure services including DHCP and DNS Maintaining and troubleshooting Windows Server 2016 And much, much more!!! Not only will this informative training manual help you become familiar with essential concepts, it'll help you reach new levels of mastery. This is the ideal ready-answers reference you'll want with you at all times. Table of Contents Chapter 1. Welcome to Windows Server 2016 Chapter 2. Working with Windows Servers Chapter 3. Configuring Server Settings Chapter 4. Understanding Active Directory Chapter 5. Managing Active Directory Chapter 6. Maintaining Active Directory Chapter 7. Accounts: The Essentials Chapter 8. Managing Account Policies Chapter 9. Creating Accounts Chapter 10. Working with Managed Accounts Chapter 11. Managing Computers, Users and Groups Chapter 12. Maintaining Your Servers Chapter 13. Optimizing Server Performance Chapter 14. Using Group Policy Chapter 15. Maintaining and Troubleshooting Group Policy Chapter 16. Optimizing Server Security Chapter 17. Deploying Windows Server 2016 Chapter 18. Implementing TCP/IP Networking Chapter 19. Data Storage: The Essentials Chapter 20. Partitioning and Optimizing Drives Chapter 21. Using TPM and BitLocker Drive Encryption Chapter 22. Using Storage Spaces Chapter 23. Using RAID Chapter 24. Maintaining Partitions and Drives Chapter 25. Implementing File Sharing Chapter 26. Managing Permissions and Work Folders Chapter 27. Managing Permissions and Auditing Chapter 28. Configuring Disk Quotas Chapter 29. Using Group Policy for Administration Chapter 30. Implementing Print Services Chapter 31. Configuring and Maintaining Print Services Chapter 32. Implementing DHCP Chapter 33. Managing and Maintaining DHCP Chapter 34. Implementing DNS Chapter 35. Managing and Maintaining DNS Thank you readers for your years of support! Check the companion website for updates and details on extras. Your support of this reference set will ensure that I can continue to refresh and expand it.

A comprehensive and practical guide to Windows Server 2016 About This Book In-depth coverage of new features of Windows Server 2016 Gain the necessary skills and knowledge to design and implement Microsoft Server 2016 in enterprise environment Know how you can support your medium to large enterprise and leverage your experience in administering Microsoft Server 2016, A practical guide to administering Windows server 2016 Who This Book Is For The book is targeted at System Administrators and IT professionals who would like to design and deploy Windows Server 2016 (physical and logical) Enterprise infrastructure. Previous experience of Windows Server operating systems and familiarity with networking concepts is assumed. System administrators who are upgrading or migrating to Windows Server 2016 would also find this book useful. What You Will Learn Familiarize yourself with Windows Server 2016 ideology, the core of most datacenters running today New functions and benefits provided only by the new Windows Server 2016 Get comfortable working with Manageserver Secure your network with new technologies in Server 2016 Harden your Windows Servers to help keep those bad guys out! Using new built-in integration for Docker with this latest release of Windows Server 2016 Virtualize your datacenter with Hyper-V In Detail Windows Server 2016 is the server operating system developed by Microsoft as part of the Windows NT family of operating systems, developed concurrently with Windows 10. With Windows Server 2016, Microsoft has gotten us thinking outside of the box for what it means to be a system administrator, and comes with some interesting new capabilities. These are exciting times to be or to become a server administrator! This book covers all aspects of administration level tasks and activities required to gain expertise in Microsoft Windows Server 2016. You will begin by getting familiar and comfortable navigating around in the interface. Next, you will learn to install and manage Windows Server 2016 and discover some tips for adapting to the new server management ideology that is all about centralized monitoring and configuration. You will deep dive into core Microsoft infrastructure technologies that the majority of companies are going to run on Server 2016. Core technologies such as Active Directory, DNS, DHCP, Certificate Services, File Services, and more. We will talk about networking in this new operating system, giving you a networking toolset that is useful for everyday troubleshooting and maintenance. Also discussed is the idea of Software Defined Networking. You will later walk through different aspects of certificate administration in Windows Server 2016. Three important and crucial areas to cover in the Remote Access role -- DirectAccess, VPN, and the Web Application Proxy -- are also covered. You will then move into security functions and benefits that are available in Windows Server 2016. Also covered is the brand new and all-important Nano Server! We will incorporate PowerShell as a central platform for performing many of the functions that are discussed in this book, including a chapter dedicated to the new PowerShell 5.0. Additionally, you will learn about the new built-in integration for Docker with this latest release of Windows Server 2016. The book ends with a discussion and information on virtualizing your datacenter with Hyper-V. By the end of this book, you will have all the ammunition required to start planning for and implementing Windows Server 2016. Style and approach This book offers a practical and wide coverage of all features of brand new Microsoft Server 2016 along with tips on daily administration tasks.

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