**Book ID:** B18878

**Title: Windows Server Automation with PowerShell Cookbook, Fifth Edition**

**Subtitle: Powerful ways to automate the management and administration of Windows Server 2022 using PowerShell 7**

**Meta Description**

Automate tasks and work more efficiently with Windows Server 2022 over 100 PowerShell 7.2 recipes

or

Use over 100 PowerShell 7.2 recipes to deepen your understanding of Windows Server 2022 and see how automate common administrative tasks with ease

**Key Features**

* New edition updated to the latest version of PowerShell 7.2 and Windows Server 2022
* Discover new ways to optimize your PowerShell code by working through easy-to-follow recipes
* Learn PowerShell best practices to automate common tasks and manage DHCP in Micosoft Windows Server, objects in Active Directory, Hyper-V, and Azure

**Long Description: (1261/1350)**

The Windows Server Automation with PowerShell Cookbook is back with a new edition, featuring over 100 PowerShell recipes that will make your day-to-day work easier. This book is designed to help you learn how to install, configure and use PowerShell 7.2 effectively.

To start with, the book looks at how to install and configure PowerShell 7.2, along with useful new features and optimizations, and show you how the PowerShell compatibility solution bridges the gap to older versions of PowerShell. We’ll also be covering a wide range of fundamental and more advanced use cases.As you progress, you’ll explore topics like using PowerShell to manage networking and DHCP in Windows Server, objects in Active Directory, Hyper-V, and Azure. We’ll also take a closer look at WSUS, containers and see how to handle modules that are not directly compatible with PowerShell 7. Finally, you’ll also learn how to use some powerful tools to diagnose and resolve issues with Windows Server.

By the end of this PowerShell book, you’ll know how to use the PowerShell 7.2 to automate tasks on Windows Server 2022 with ease, helping your windows environment to run faster and smoother.

**Audience:**

This book is for systems administrators, software architects, developers, consultants, and engineers working with Windows Server 2022 who want to automate tasks more effectively with PowerShell 7.2. You’ll need to have conquered the basics of PowerShell and have a rudimentary understanding of PowerShell scripting before you can get started with this book.

**What you will learn**

Perform key admin tasks on Windows Server

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

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

Create, manage, and back up a second VM using the subnetwork in Azure

Learn how to set up a VPN in Azure with PowerShell

**Short Description**

This cookbook will help you gain command of PowerShell 7.2 to manage the core roles, features, and services within Windows Server 2022. Thomas Lee provides an expansive view of the functionality made possible in PowerShell’s latest major release.

**Approach**

Packt’s Cookbook format focuses on succinct, step-by-step recipes with accompanying screenshots and commentary. This fifth edition of the Packt PowerShell Cookbook supplements hands-on scripts with conceptual insight to improve your command of PowerShell 7.2 and Windows Server across a wide-ranging array of use cases.

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