



Windows Server 2012 Automation with PowerShell Cookbook

By Ed Goad

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Windows Server 2012 Automation with PowerShell Cookbook By Ed Goad

If you work on a daily basis with Windows Server 2012, this book will make life easier by teaching you the skills to automate server tasks with PowerShell scripts, all delivered in recipe form for rapid implementation.

Overview

- Extend the capabilities of your Windows environment.
- Improve the process reliability by using well defined PowerShell scripts.
- Full of examples, scripts, and real-world best practices.

In Detail

Automating server tasks allows administrators to repeatedly perform the same, or similar, tasks over and over again. With PowerShell scripts, you can automate server tasks and reduce manual input, allowing you to focus on more important tasks.

Windows Server 2012 Automation with PowerShell will show several ways for a Windows administrator to automate and streamline his/her job. Learn how to automate server tasks to ease your day-to-day operations, generate performance and configuration reports, and troubleshoot and resolve critical problems.

Windows Server 2012 Automation with PowerShell will introduce you to the advantages of using Windows Server 2012 and PowerShell. Each recipe is a building block that can easily be combined to provide larger and more useful scripts to automate your systems. The recipes are packed with examples and real world experience to make the job of managing and administrating Windows servers easier.

The book begins with automation of common Windows Networking components such as AD, DHCP, DNS, and PKI, managing Hyper-V, and backing up the server environment. By the end of the book you will be able to use PowerShell scripts to automate tasks such as performance monitoring, reporting, analyzing the environment to match best practices, and troubleshooting.

What you will learn from this book

- Streamline routine administration processes.
- Automate the implementation of entire AD infrastructures.
- Generate automatic reports that highlight unexpected changes in your environment.
- Monitor performance and report on system utilization in detailed graphs and analysis.
- Create and manage a reliable and redundant Hyper-V environment.
- Utilize the Best Practices Analyzer from Microsoft to ensure your environment is configured optimally.
- Manage the patch level of your enterprise.
- Utilize multiple protocols to share information in a heterogeneous environment.

Approach

Cookbook with recipes based on real life examples.

Who this book is written for

This book is written to assist the daily tasks for systems administrators, engineers, and architects working with Windows Server 2012.

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Editorial Review

About the Author

Ed Goad

Ed Goad is a systems architect who has been working in various roles in the IT field for 16 years. He first became interested in scripting and automation when presented with a task to uninstall software from over 1,000 systems with limited time and resources. He has worked with scripting and automation on multiple platforms and languages including PowerShell, VBscript, C#, and BASH scripting.

Ed currently holds multiple Microsoft certifications, most recently including the Microsoft Certified IT Professional – Enterprise Administrator. Additional non-Microsoft certifications include VMware Certified Professional (VCP), Red Hat Certified System Administrator (RHCSA), EMC Proven Professional, Brocade Certified Network Engineer (BCNE), and Cisco Certified Network Associate (CCNA).

Ed is currently on a sabbatical and volunteering full time at the Amor Fe y Esperanza school in Honduras(<http://www.afehonduras.org>). There he is teaching computer and math classes to the kids who live and work in the garbage dump outside of the capital city of Tegucigalpa.

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