



PowerShell for SQL Server Essentials

By *Donabel Santos*

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Manage and monitor SQL Server administration and application deployment with PowerShell

About This Book

- Create scripts using PowerShell to manage and monitor server administration and application deployment
- Automate creation of SQL Database objects through PowerShell with the help of SQL Server module (SQLPS) and SQL Server snapins
- A fast paced guide, packed with hands-on examples on profiling and configuring SQL Server

Who This Book Is For

This book is written for SQL Server administrators and developers who want to leverage PowerShell to work with SQL Server. Some background with scripting will be helpful but not necessary.

What You Will Learn

- Create scripts using PowerShell to manage and monitor server administration and application deployment
- Automate the creation of SQL Database objects through PowerShell with the help of the SQL Server module (SQLPS) and SQL Server snap-ins
- Use PowerShell to work with SQL Server specific providers and cmdlets
- Identify and manage SQL Server services, instances, settings, and configurations
- Profile your SQL Server instances and export current configurations to a file
- Monitor SQL Server jobs and alerts
- Manage logins, database users, and instance security and permissions
- Invoke T-SQL queries from PowerShell and export results
- Accomplish tasks from your DBA daily/weekly/monthly/yearly checklists with PowerShell

In Detail

PowerShell for SQL Server Essentials helps us to manage and monitor server administration and application deployment. Use PowerShell along with SQL Server to perform common DBA tasks.

Starting with a basic introduction to PowerShell, the initial chapters will provide the SQL Server professional PowerShell fundamentals, covering topics such as PowerShell notations and syntax, cmdlets, pipeline, and getting help. Succeeding chapters build upon these fundamentals, and illustrate how to administer and automate SQL Server. Tasks covered throughout include profiling the SQL Server instance, performing backup and restores, invoking T-SQL scripts using PowerShell, and monitoring jobs, security, and permissions.

Packed with practical examples and numerous ready-to-use snippets, this book gets you to an intermediate level in using PowerShell for SQL Server.



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Editorial Review

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Donabel Santos (SQL Server MVP) is a business intelligence architect, trainer/instructor, consultant, author, and principal at QueryWorks Solutions, based in Vancouver, Canada. She works primarily with SQL Server for database/data warehouse, reporting, and ETL solutions. She scripts and automates tasks with PowerShell and creates dashboards and visualizations with Tableau and Power BI. She is a Microsoft Certified Trainer (MCT). She provides consulting and corporate training to clients. She is also the lead instructor for SQL Server and Tableau (Visual Analytics) courses at British Columbia Institute of Technology (BCIT). Donabel is an MCITP DBA and a developer for SQL Server and MCTS for SharePoint. She is also a Tableau Desktop 7 Core Certified and a Tableau Desktop 8 Certified Professional. She is currently working on her SQL Server 2012 (and upcoming 2014) certifications. She is a self-confessed data geek. She loves working with data and thinks SQL Server is a lot of fun and Tableau is just amazing at delivering insights. She authored SQL Server 2012 with PowerShell V3 Cookbook, Packt Publishing, and contributed to PowerShell Deep Dives, Manning Publications. She blogs at www.sqlbelle.com and tweets at @sqlbelle.

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