

# Sql Server 2014 With Powershell V5 Cookbook

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## **SQL Server 2019 Administration Inside**

**Out** - Randolph West  
2020-03-11

Conquer SQL Server 2019 administration—from the inside out Dive into SQL Server 2019 administration—and really put your SQL Server DBA expertise to work. This supremely organized reference packs hundreds of

timesaving solutions, tips, and workarounds—all you need to plan, implement, manage, and secure SQL Server 2019 in any production environment: on-premises, cloud, or hybrid. Six experts thoroughly tour DBA capabilities available in SQL Server 2019 Database Engine, SQL Server Data Tools, SQL Server Management Studio,

PowerShell, and Azure Portal. You'll find extensive new coverage of Azure SQL, big data clusters, PolyBase, data protection, automation, and more. Discover how experts tackle today's essential tasks—and challenge yourself to new levels of mastery. Explore SQL Server 2019's toolset, including the improved SQL Server Management Studio, Azure Data Studio, and Configuration Manager Design, implement, manage, and govern on-premises, hybrid, or Azure database infrastructures Install and configure SQL Server on Windows and Linux Master modern maintenance and monitoring with extended events, Resource Governor, and the SQL Assessment API Automate tasks with maintenance plans, PowerShell, Policy-Based Management, and more Plan and manage data recovery, including hybrid backup/restore, Azure SQL Database recovery, and geo-replication Use availability

groups for high availability and disaster recovery Protect data with Transparent Data Encryption, Always Encrypted, new Certificate Management capabilities, and other advances Optimize databases with SQL Server 2019's advanced performance and indexing features Provision and operate Azure SQL Database and its managed instances Move SQL Server workloads to Azure: planning, testing, migration, and post-migration

**SQL Server Query Performance Tuning -**  
Grant Fritchey 2014-09-16  
Queries not running fast enough? Wondering about the in-memory database features in 2014? Tired of phone calls from frustrated users? Grant Fritchey's book SQL Server Query Performance Tuning is the answer to your SQL Server query performance problems. The book is revised to cover the very latest in performance

optimization features and techniques, especially including the newly-added, in-memory database features formerly known under the code name Project Hekaton. This book provides the tools you need to approach your queries with performance in mind. SQL Server Query Performance Tuning leads you through understanding the causes of poor performance, how to identify them, and how to fix them. You'll learn to be proactive in establishing performance baselines using tools like Performance Monitor and Extended Events. You'll learn to recognize bottlenecks and defuse them before the phone rings. You'll learn some quick solutions too, but emphasis is on designing for performance and getting it right, and upon heading off trouble before it occurs. Delight your users. Silence that ringing phone. Put the principles and lessons from

SQL Server Query Performance Tuning into practice today. Covers the in-memory features from Project Hekaton Helps establish performance baselines and monitor against them Guides in troubleshooting and eliminating of bottlenecks that frustrate users

### **Microsoft Azure Essentials -**

#### **Fundamentals of Azure -**

Michael Collier 2015-01-29

Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual

Machines Azure Storage  
Azure Virtual Networks  
Databases Azure Active  
Directory Management tools  
Business scenarios Watch  
Microsoft Press's blog and  
Twitter (@MicrosoftPress)  
to learn about other free  
ebooks in the "Microsoft  
Azure Essentials" series.

**Tableau 10 Business  
Intelligence Cookbook** -  
Donabel Santos 2016-11-30  
Create powerful, effective  
visualizations to help  
analyze your data with  
Tableau 10 by your side  
About This Book Cook your  
favorite Tableau 10  
business intelligence recipe  
with the help of this easy-to-  
follow book Build beautiful,  
interactive dashboards and  
visualizations in Tableau 10  
that help you make  
informed decisions This rich  
collection of independent  
recipes cover everything  
needed to become an  
advanced Tableau user and  
get an edge over other  
Tableau users Who This  
Book Is For This book is  
targeted to business, data,

and analytics professionals  
who want to build rich  
interactive visualizations  
using Tableau. Familiarity  
with previous versions of  
Tableau would be helpful,  
but is not necessary. What  
You Will Learn Become  
familiar with the Tableau  
interface Build basic to  
more advanced charts with  
step-by-step recipes Use  
filters, calculated fields,  
parameters, and actions to  
add interactivity to charts  
and dashboards Prepare  
and transform data for  
analysis using Tableau's  
built-in tools and functions  
Create effective and  
compelling dashboards and  
story points Leverage  
Tableau's mapping  
capabilities to visualize  
location and shape data  
Integrate analytics and  
forecasting to enhance data  
analysis Get to know tips  
and tricks to work more  
quickly and effectively in  
Tableau Increase your  
confidence and competence  
in creating rich, interactive  
visualizations in Tableau In

Detail Tableau is a software tool that can speed up data analysis through its rich visualization capabilities, and help uncover insights for better and smarter decision making. This book is for the business, technology, data and analytics professionals who use and analyze data and data-driven approaches to support business operations and strategic initiatives in their organizations. This book provides easy-to-follow recipes to get the reader up and running with Tableau 10, and covers basic to advanced use cases and scenarios. The book starts with building basic charts in Tableau and moves on to building more complex charts by incorporating different Tableau features and interactivity components. There is an entire chapter dedicated to dashboard techniques and best practices. A number of recipes specifically for geospatial visualization, analytics, and data

preparation are also covered. By the end of this book, you'll have gained confidence and competence to analyze and communicate data and insights more efficiently and effectively by creating compelling interactive charts, dashboards, and stories in Tableau. Style and approach This book is a collection of independent recipes that cover a wide range of options for data visualization on offer with Tableau. With the help of the recipes in this book, you can explore Tableau and pick the business intelligence solution that's best suited for your needs.

### **ETL with Azure Cookbook**

- Christian Coté 2020-09-30

Explore the latest Azure ETL techniques both on-premises and in the cloud using Azure services such as SQL Server Integration Services (SSIS), Azure Data Factory, and Azure Databricks Key Features Understand the key components of an ETL

solution using Azure Integration ServicesDiscover the common and not-so-common challenges faced while creating modern and scalable ETL solutionsProgram and extend your packages to develop efficient data integration and data transformation solutionsBook Description ETL is one of the most common and tedious procedures for moving and processing data from one database to another. With the help of this book, you will be able to speed up the process by designing effective ETL solutions using the Azure services available for handling and transforming any data to suit your requirements. With this cookbook, you'll become well versed in all the features of SQL Server Integration Services (SSIS) to perform data migration and ETL tasks that integrate with Azure. You'll learn how to transform data in Azure

and understand how legacy systems perform ETL on-premises using SSIS. Later chapters will get you up to speed with connecting and retrieving data from SQL Server 2019 Big Data Clusters, and even show you how to extend and customize the SSIS toolbox using custom-developed tasks and transforms. This ETL book also contains practical recipes for moving and transforming data with Azure services, such as Data Factory and Azure Databricks, and lets you explore various options for migrating SSIS packages to Azure. Toward the end, you'll find out how to profile data in the cloud and automate service creation with Business Intelligence Markup Language (BIML). By the end of this book, you'll have developed the skills you need to create and automate ETL solutions on-premises as well as in Azure. What you will learnExplore ETL and how it is different from ELTMove

and transform various data sources with Azure ETL and ELT services Use SSIS 2019 with Azure HDInsight clusters Discover how to query SQL Server 2019 Big Data Clusters hosted in Azure Migrate SSIS solutions to Azure and solve key challenges associated with it Understand why data profiling is crucial and how to implement it in Azure Databricks Get to grips with BIML and learn how it applies to SSIS and Azure Data Factory solutions Who this book is for This book is for data warehouse architects, ETL developers, or anyone who wants to build scalable ETL applications in Azure. Those looking to extend their existing on-premise ETL applications to use big data and a variety of Azure services or others interested in migrating existing on-premise solutions to the Azure cloud platform will also find the book useful. Familiarity with SQL Server services is

necessary to get the most out of this book.

Sams Teach Yourself Windows PowerShell in 24 Hours - Timothy L. Warner 2015

This book's straightforward, step-by-step approach shows you how to build and run scripts, extend Windows PowerShell reach, manage computers remotely, and automate a wide variety of tasks on any modern Windows server or client.

**SQL Server 2012 with PowerShell V3 Cookbook** - Donabel Santos 2012-10-25

SQL Server 2012 with PowerShell V3 Cookbook" is an example-focused book that provides step-by-step instructions on how to accomplish specific SQL Server tasks using PowerShell. Each recipe is followed by an analysis of the steps or design decisions taken, and additional information about the task at hand. Working scripts are provided for all

examples so that you can dive in right away. You can read this book sequentially by chapter, or you can pick and choose which topics you need right away. This book is written for the SQL Server database professional (DBA, developer, BI developer) who wants to use PowerShell to automate, integrate, and simplify database tasks. A little bit of scripting background is helpful, but not necessary.

**PowerShell Core for Linux Administrators**

**Cookbook** - Prashanth Jayaram 2018-11-30  
PowerShell Core for Linux Administrators Cookbook will take you through a complete tour of understanding .NET Core, PowerShell in general, PowerShell on Linux for management and automation. This book will also cover advanced concepts on how to use PowerShell and manage Docker containers, Cloud, VMware and SQL

databases.

**XML and JSON Recipes for SQL Server** - Alex Grinberg 2017-12-18

Quickly find solutions to dozens of common problems encountered while using XML and JSON features that are built into SQL Server. Content is presented in the popular problem-solution format. Look up the problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved! This book shows how to take advantage of XML and JSON to share data and automate tasks. JSON is commonly used to move data back and forth between the database and front-end applications, often running in a browser. This book shows all you need to know about transforming query results into JSON format, and back again. Also covered are the processes and techniques for moving data into and out of XML format for business



intelligence and other purposes, such as when transferring data from a reporting system into a data warehouse, or between different database brands such as between SQL Server and Oracle.

Microsoft intensively implements XML in SQL Server, and in many related products. Execution plans are generated in XML format, and this book shows you how to parse those plans and automate the detection of performance problems. The relatively new Extended Events feature writes tracing data into XML files, and the recipes in this book help in parsing those files. XML is also used in SQL Server's BI tool set, including in SSIS, SSR, and SSAS. XML is used in many configuration files, and is even behind the construction of DDL triggers. In reading this book you'll dive deeply into the features that allow you to build and parse XML, and also JSON, which is a

specific format of XML used to transmit objects in a web-friendly format between a database and its front-end applications. What You Will Learn Build XML and JSON objects in support of automation and data transfer Import and parse XML and JSON from operating system files Build appropriate indexes on XML objects to improve query performance Move data from query result sets into JSON format, and back again Automate the detection of database performance problems by querying and parsing the database's own execution plans Replace external and manual JSON processes with SQL Server's internal, JSON functionality Who This Book Is For Database administrators, .NET developers, business intelligence developers, and other professionals who want a deep and detailed skill set around working with XML and JSON in a SQL Server database

environment. Web developers will particularly find the book useful for its coverage of transforming database result sets into JSON text that can be transmitted to front-end web applications.

*Microsoft Azure Essentials Migrating SQL Server*

*Databases to Azure* - Carl Rabeler 2016-06-06

Part of the “Microsoft Azure Essentials” series, this ebook helps SQL Server database users understand Microsoft’s offering for SQL Server in Azure. Learn how SQL Server in Azure is similar to SQL Server in an on-premises environment, and how they are different. The author, a content lead for Azure.com, walks you through the steps of getting started with SQL Server in an Azure virtual machine and with Azure SQL Database. Follow the numerous screenshots to create a trial subscription, create SQL Server in an Azure virtual machine, create an Azure SQL

Database, migrate an on-premises database to each Azure environment, create users, back up and restore data, and archive data.

### **SQL Server Advanced Troubleshooting and Performance Tuning -**

Dmitri Korotkevitch  
2022-05-17

This book provides a comprehensive overview on best practices for troubleshooting and performance tuning in SQL Server. It reviews how to identify performance issues, how to troubleshoot the system in a holistic fashion, and how to properly prioritize tuning efforts in order to induce the best system performance possible. The book also discusses interdependencies between database components, while spotlighting ways to avoid the bottlenecks that can be triggered by those dependencies. The troubleshooting and performance tuning techniques presented in the

book are compatible with any version of SQL Server. They cover both on-premise and Cloud-based SQL Server installations, including Microsoft Azure SQL Databases and Amazon SQL Server RDS. Reflecting the approaches used by many high-end SQL Server consultants, *SQL Server Advanced Troubleshooting and Performance Tuning* is a valuable resource that will help readers master troubleshooting and performance tuning skills and get the best performance out of SQL Server.

**GeoServer Cookbook** - Stefano Iacovella  
2014-11-27

This book is ideal for GIS experts, developers, and system administrators who have had a first glance at GeoServer and who are eager to explore all its features in order to configure professional map servers. Basic knowledge of GIS and GeoServer is required.

Microsoft System Center Data Protection Manager Cookbook - Charbel Nemnom 2018-12-26  
Over 60 recipes to achieve a robust and advanced backup and recovery solution leveraging SCDPM Key Features Adapt to the modern data center design challenges and improve storage efficiency Effective recipes to help you create your own robust architectural designs Solve data protection and recovery problems in your organization  
**Book Description** System Center Data Protection Manager (SCDPM) is a robust enterprise backup and recovery system that contributes to your BCDR strategy by facilitating the backup and recovery of enterprise data. With an increase in data recovery and protection problems faced in organizations, it has become important to keep data safe and recoverable. This book contains recipes that will

help you upgrade to SCDPM and it covers the advanced features and functionality of SCDPM. This book starts by helping you install SCDPM and then moves on to post-installation and management tasks. You will come across a lot of useful recipes that will help you recover your VMware and Hyper-V VMs. It will also walk you through tips for monitoring SCDPM in different scenarios. Next, the book will also offer insights into protecting windows workloads followed by best practices on SCDPM. You will also learn to back up your Azure Stack Infrastructure using Azure Backup. You will also learn about recovering data from backup and implementing disaster recovery. Finally, the book will show you how to configure the protection groups to enable online protection and troubleshoot Microsoft Azure Backup Agent. What you will learn

Install and prepare

SQL Server for the SCDPM database  
Reduce backup storage with SCDPM and data deduplication  
Learn about the prerequisites for supported Hyper-V Server protection  
Integrate SCDPM with other System Center products to build optimal services  
Protect and restore the SCDPM database  
Protect your data center by integrating SCDPM with Azure Backup  
Manually create online recovery points and recover production data from Azure  
Protect and learn about the requirements to recover Azure Stack with SCDPM  
Who this book is for  
If you are an SCDPM administrator, this book will help you verify your knowledge and provide you with everything you need to know about the new release of System Center Data Protection Manager.  
[Microsoft Windows Server AppFabric Cookbook](#) - Hammad Rajjoub  
2012-07-26  
Over 60 recipes for getting

the most out of WCF/WF services on the Microsoft Windows Platform using Windows Server AppFabric with this book and ebook.

Learn SQL Server Administration in a Month of Lunches - Don Jones

2014-04-30

Summary Learn SQL Server Administration in a Month of Lunches is the perfect way to get started with SQL Server operations, including maintenance, backup and recovery, high availability, and performance monitoring. In about an hour a day over a month, you'll learn exactly what you can do, and what you shouldn't touch. Most importantly, you'll learn the day-to-day tasks and techniques you need to keep SQL Server humming along smoothly. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Microsoft SQL Server is used by millions of businesses, ranging in size

from Fortune 500s to small shops worldwide. Whether you're just getting started as a DBA, supporting a SQL Server-driven application, or you've been drafted by your office as the SQL Server admin, you do not need a thousand-page book to get up and running.

Learn SQL Server Administration in a Month of Lunches is the perfect way to get started with SQL Server. This concise, easy-to-read book skips academic introductions and teaches you day-to-day techniques for maintenance, backup and recovery, performance monitoring, and more. Each of the 21 short lessons gives you practical takeaways you'll use over and over. What's Inside Master the basics—indexes, logins, backup, recovery ... and more Learn what you can and cannot do when supporting a third-party application Monitor and improve performance Written by expert trainer and bestselling author Don

Jones Accessible to readers of any level of experience, the book covers techniques for all versions of SQL Server 2005-2014. About the Author Don Jones is a Microsoft MVP, speaker, and trainer. He is the creator of the Month of Lunches series and author of over 50 books on PowerShell, IIS, Active Directory, SCCM, SQL Server, and more. Table of Contents Before you begin Server assessment and configuration T-SQL crash course Managing databases Backup and recovery Authentication: who are you? Authorization: what are you allowed to do? Accounting: what did you do? Analyzing indexes Maintaining indexes Tuning index designs Reading query execution plans Block and deadlock analysis Automating management with SQL Server Agent Multiserver management Windows PowerShell and SQL Server Using Extended Events Monitoring and

analyzing performance Options for high availability Virtualizing SQL Server Moving, migrating, and upgrading databases SQL Server performance checklist Never the end *Azure DevOps Server 2019 Cookbook* - Tarun Arora 2019-05-03 Over 70 recipes to effectively apply DevOps best practices and implement Agile, Git, CI-CD & Test automation using Azure DevOps Server (TFS) 2019 Key Features Learn improving code quality using pull requests, branch policies, githooks and git branching design Accelerate the deployment of high quality software by automating build and releases using CI-CD Pipelines. Learn tried and tested techniques to automate database deployments, App Service & Function Deployments in Azure. Book Description Azure DevOps Server, previously known as Team Foundation Server (TFS), is

a comprehensive on-premise DevOps toolset with a rich ecosystem of open source plugins. This book is your one stop guide to learn how to effectively use all of these Azure DevOps services to go from zero to DevOps. You will start by building high-quality scalable software targeting .NET, .NET core or Node.js applications. You will learn techniques that will help you to set up end-to-end traceability of your code changes from design through to release. Whether you are deploying software on-premise or in the cloud in App Service, Functions, or Azure VMs, this book will help you learn release management techniques to reduce release failures. Next, you will be able to secure application configuration by using Azure KeyVault. You will also learn how to create and release extensions to the Azure DevOps marketplace and reach million developer ecosystem for feedback. The

working extension samples will allow you to iterate changes in your extensions easily and release updates to the marketplace quickly. By the end of this book, techniques provided in the book will help you break down the invisible silos between your software development teams. This will transform you from being a good software development team to an elite modern cross functional software development team. What you will learn Set up a team project for an Agile delivery team, importing requirements from ExcelPlan, track, and monitor progress using self updating boards, Sprint and Kanban boards Unlock the features of Git by using branch policies, Git pull requests, forks, and Git hooks Build and release .NET core, SQL and Node.js applications using Azure Pipeline Automate testing by integrating Microsoft and open source testing

frameworksExtend Azure DevOps Server to a million developer ecosystemWho this book is for This book is for anyone looking to succeed with DevOps. The techniques in this book apply to all roles of the software development lifecycle including developers, testers, architects, configuration analysts, site reliability engineers and release managers. If you are a new user you'll learn how to get started; if you are an experienced user you'll learn how to launch your project into a modern and mature DevOps enabled software development team.

Windows Command Line Administration Instant Reference

- John Paul Mueller 2010-09-09

The perfect companion to any book on Windows Server 2008 or Windows 7, and the quickest way to access critical information Focusing just on the essentials of command-line interface (CLI), Windows

Command-Line Administration Instant Reference easily shows how to quickly perform day-to-day tasks of Windows administration without ever touching the graphical user interface (GUI). Specifically designed for busy administrators, Windows Command-Line Administration Instant Reference replaces many tedious GUI steps with just one command at the command-line, while concise, easy to access answers provide solutions on the spot. Provides practical examples, step-by-step instructions, and contextual information Quick-reference style delivers the commands needed for managing data and the network; working with Active Directory; performing diagnostics and maintenance; and, creating batch files and scripts Covers administration for Windows Server 2008 Server Core, Windows Server 2008 (including R2),



and Windows 7 Administrators can get more done in less time with CLI than they can with the standard GUI. Compact enough to keep on hand at all times, Windows Command-Line Administration Instant Reference provides administrators with a convenient, fast and simple way to use CLI.

*Pro Microsoft Hyper-V 2019*  
- Andy Syrewicze  
2018-10-31

Successfully create and manage your Hyper-V environment without any of the marketing fluff. This book's lab-driven, hands-on approach will get you up and running as quickly and efficiently as possible.

Virtualization is the cornerstone of today's data center. As a modern-day IT pro, you are required to manage environments that are in a regular state of flux and increasing in both size and complexity. To keep up, you need practical information in a format that

is succinct, yet comprehensive and highly applicable. *Pro Hyper-V 2019* breaks down critical and time-saving topics into a series of easy-to-digest chapters, showing you how to perform Hyper-V management tasks using both GUI and PowerShell-based tools. Building on your existing knowledge of Windows Server management, Active Directory, networking, and storage, experts and Microsoft MVPs Syrewicze and Siddaway begin with a foundation of why computing workloads are virtualized. This is followed by chapters covering the range of management tasks associated with virtualized environments, including: managing hosts and guest machines; networking, storage, and high availability (host and guest); disaster recovery and virtual machine migration; and monitoring. What You'll Learn Apply practical information to administer

your Hyper-V environments  
Understand multiple  
administration styles (GUI,  
command line, and  
automation) Written by IT  
pros for IT pros - just the  
information you really need  
without the padding

Administer and use  
containers Utilize hands-on  
labs to learn about storage,  
networking, and high  
availability Who This Book  
Is For IT administrators  
tasked with implementing  
Hyper-V environments or  
migrating from VMware. IT  
pros joining a team that is  
responsible for managing  
Hyper-V and “lone  
administrators” covering  
the gamut in smaller  
organizations will also find  
this book indispensable.

*Mastering Microsoft Power  
BI* - Brett Powell 2018-03-29  
Design, create and manage  
robust Power BI solutions to  
gain meaningful business  
insights Key Features  
Master all the dashboarding  
and reporting features of  
Microsoft Power BI  
Combine data from multiple

sources, create stunning  
visualizations and publish  
your reports across multiple  
platforms A comprehensive  
guide with real-world use  
cases and examples  
demonstrating how you can  
get the best out of Microsoft  
Power BI Book Description  
This book is intended for  
business intelligence  
professionals responsible  
for the design and  
development of Power BI  
content as well as  
managers, architects and  
administrators who oversee  
Power BI projects and  
deployments. The chapters  
flow from the planning of a  
Power BI project through  
the development and  
distribution of content to  
the administration of Power  
BI for an organization. BI  
developers will learn how to  
create sustainable and  
impactful Power BI  
datasets, reports, and  
dashboards. This includes  
connecting to data sources,  
shaping and enhancing  
source data, and developing  
an analytical data model.

Additionally, top report and dashboard design practices are described using features such as Bookmarks and the Power KPI visual. BI managers will learn how Power BI's tools work together such as with the On-premises data gateway and how content can be staged and securely distributed via Apps. Additionally, both the Power BI Report Server and Power BI Premium are reviewed. By the end of this book, you will be confident in creating effective charts, tables, reports or dashboards for any kind of data using the tools and techniques in Microsoft PowerBI. What you will learn Build efficient data retrieval and transformation processes with the Power Query M Language Design scalable, user-friendly DirectQuery and Import Data Models Develop visually rich, immersive, and interactive reports and dashboards Maintain version control and stage deployments

across development, test, and production environments Manage and monitor the Power BI Service and the On-premises data gateway Develop a fully on-premise solution with the Power BI Report Server Scale up a Power BI solution via Power BI Premium capacity and migration to Azure Analysis Services or SQL Server Analysis Services Who this book is for Business Intelligence professionals and existing Power BI users looking to master Power BI for all their data visualization and dashboarding needs will find this book to be useful. While understanding of the basic BI concepts is required, some exposure to Microsoft Power BI will be helpful.

**Windows PowerShell in Action** - Bruce Payette  
2011

A guide to using Windows PowerShell to script Windows administrative tasks and control Windows

from the command line.

## **Microsoft SQL Server**

### **Reporting Services**

**Recipes** - Paul Turley

2010-03-18

Learn to design more effective and sophisticated business reports While most users of SQL Server Reporting Services are now comfortable designing and building simple reports, business today demands increasingly complex reporting. In this book, top Reporting Services design experts have contributed step-by-step recipes for creating various types of reports. Written by well-known SQL Server Reporting Services experts, this book gives you the tools to meet your clients' needs

### **Learn Active Directory Management in a Month of Lunches**

- Richard

Siddaway 2014-03-11

Summary Learn Active Directory Management in a Month of Lunches is a practical, hands-on tutorial designed for IT pros new to Active Directory. It skips

the theory and concentrates on the day-to-day administration tasks you need to know to keep your network running smoothly. Just set aside an hour a day for a month—lunchtime would be perfect—and you'll be comfortable and productive with Active Directory before you know it. About the Book At the heart of your Windows network is Active Directory, the control center for administration, security, and other core management functions. If you're new to Active Directory administration—or if you find yourself unexpectedly thrust into that role—you'll need to get up to speed fast. Learn Active Directory Management in a Month of Lunches is a hands-on tutorial designed for IT pros new to Active Directory. Without assuming previous administration experience, the book starts by walking you through the most important day-to-day system management tasks. You'll

learn how to administer AD both from the GUI tools built into Windows and by using PowerShell at the command line. Along the way, you'll touch on best practices for managing user access, setting group policies, automating backups, and more. This book assumes no prior experience with Active Directory or Windows administration. Examples are based in Windows Server 2012 Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside ADM tasks you'll need every day GUI and command line techniques Content tested by new administrators Well-illustrated, clearly explained examples About the Author Richard Siddaway is an experienced all-around Windows administrator with two decades of experience. He's the author of PowerShell in Practice and PowerShell and WMI, and coauthor of PowerShell

in Depth. Table of Contents  
PART 1 MANAGING ACTIVE DIRECTORY DATA  
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Managing organizational units  
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PART 3 MANAGING THE ACTIVE DIRECTORY SERVICE  
Creating domain controllers Managing domain controllers Protecting AD data Security: Default groups and delegation Managing DNS Managing sites and subnets AD replication Managing AD trusts  
PART 4 MAINTENANCE AND TROUBLESHOOTING  
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**PowerShell in Practice -**

Richard Siddaway

2010-06-07

Windows PowerShell is a scripting language that simplifies Windows system administration. PowerShell in Practice is a hands-on reference for administrators wanting to learn and use PowerShell. Following the "in Practice" style, individual related techniques are clustered into chapters. Each technique is presented in the form: problem, solution, discussion, and includes annotated code listings. Written to answer the question "How can PowerShell make my job as an administrator easier?" this book concentrates on practical tasks and automation. Starting with an a brief tutorial and review, the majority of the book focuses on two major PowerShell usage areas: People - user accounts, mailboxes, desktop configuration; and Servers - Active Directory, Exchange, IIS, and more. Purchase of

the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

[Windows Server 2016 Automation with PowerShell Cookbook](#) - Thomas Lee  
2017-09-21

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.

## **SQL Server 2017**

### **Integration Services**

**Cookbook** - Christian Cote  
2017-06-30

Harness the power of SQL Server 2017 Integration

Services to build your data integration solutions with ease About This Book Acquaint yourself with all the newly introduced features in SQL Server 2017 Integration Services Program and extend your packages to enhance their functionality This detailed, step-by-step guide covers everything you need to develop efficient data integration and data transformation solutions for your organization Who This Book Is For This book is ideal for software engineers, DW/ETL architects, and ETL developers who need to create a new, or enhance an existing, ETL implementation with SQL Server 2017 Integration Services. This book would also be good for individuals who develop ETL solutions that use SSIS and are keen to learn the new features and capabilities in SSIS 2017. What You Will Learn Understand the key components of an ETL

solution using SQL Server 2016-2017 Integration Services Design the architecture of a modern ETL solution Have a good knowledge of the new capabilities and features added to Integration Services Implement ETL solutions using Integration Services for both on-premises and Azure data Improve the performance and scalability of an ETL solution Enhance the ETL solution using a custom framework Be able to work on the ETL solution with many other developers and have common design paradigms or techniques Effectively use scripting to solve complex data issues In Detail SQL Server Integration Services is a tool that facilitates data extraction, consolidation, and loading options (ETL), SQL Server coding enhancements, data warehousing, and customizations. With the help of the recipes in this book, you'll gain complete



hands-on experience of SSIS 2017 as well as the 2016 new features, design and development improvements including SCD, Tuning, and Customizations. At the start, you'll learn to install and set up SSIS as well other SQL Server resources to make optimal use of this Business Intelligence tools. We'll begin by taking you through the new features in SSIS 2016/2017 and implementing the necessary features to get a modern scalable ETL solution that fits the modern data warehouse. Through the course of chapters, you will learn how to design and build SSIS data warehouses packages using SQL Server Data Tools. Additionally, you'll learn to develop SSIS packages designed to maintain a data warehouse using the Data Flow and other control flow tasks. You'll also be demonstrated many recipes on cleansing data and how to get the end result after applying

different transformations. Some real-world scenarios that you might face are also covered and how to handle various issues that you might face when designing your packages. At the end of this book, you'll get to know all the key concepts to perform data integration and transformation. You'll have explored on-premises Big Data integration processes to create a classic data warehouse, and will know how to extend the toolbox with custom tasks and transforms. Style and approach This cookbook follows a problem-solution approach and tackles all kinds of data integration scenarios by using the capabilities of SQL Server 2016 Integration Services. This book is well supplemented with screenshots, tips, and tricks. Each recipe focuses on a particular task and is written in a very easy-to-follow manner.

**Microsoft SQL Server 2014 Unleashed** - Ray

Rankins 2015-05-15

The industry's most complete, useful, and up-to-date guide to SQL Server 2014. You'll find start-to-finish coverage of SQL Server's core database server and management capabilities: all the real-world information, tips, guidelines, and examples you'll need to install, monitor, maintain, and optimize the most complex database environments. The provided examples and sample code provide plenty of hands-on opportunities to learn more about SQL Server and create your own viable solutions. Four leading SQL Server experts present deep practical insights for administering SQL Server, analyzing and optimizing queries, implementing data warehouses, ensuring high availability, tuning performance, and much more. You will benefit from their behind-the-scenes look into SQL Server, showing what goes on behind the

various wizards and GUI-based tools. You'll learn how to use the underlying SQL commands to fully unlock the power and capabilities of SQL Server. Writing for all intermediate-to-advanced-level SQL Server professionals, the authors draw on immense production experience with SQL Server. Throughout, they focus on successfully applying SQL Server 2014's most powerful capabilities and its newest tools and features. Detailed information on how to... Understand SQL Server 2014's new features and each edition's capabilities and licensing Install, upgrade to, and configure SQL Server 2014 for better performance and easier management Streamline and automate key administration tasks with Smart Admin Leverage powerful new backup/restore options: flexible backup to URL, Managed Backup to Windows Azure, and

encrypted backups  
Strengthen security with  
new features for enforcing  
“least privilege” Improve  
performance with  
updateable columnstore  
indexes, Delayed Durability,  
and other enhancements  
Execute queries and  
business logic more  
efficiently with  
memoryoptimized tables,  
buffer pool extension, and  
natively-compiled stored  
procedures Control  
workloads and Disk I/O with  
the Resource Governor  
Deploy AlwaysOn  
Availability Groups and  
Failover Cluster Instances  
to achieve enterprise-class  
availability and disaster  
recovery Apply new  
Business Intelligence  
improvements in Master  
Data Services, data quality,  
and Parallel Data  
Warehouse  
Kali Linux - An Ethical  
Hacker's Cookbook -  
Himanshu Sharma  
2017-10-17  
Over 120 recipes to perform  
advanced penetration

testing with Kali Linux  
About This Book Practical  
recipes to conduct effective  
penetration testing using  
the powerful Kali Linux  
Leverage tools like  
Metasploit, Wireshark,  
Nmap, and many more to  
detect vulnerabilities with  
ease Confidently perform  
networking and application  
attacks using task-oriented  
recipes Who This Book Is  
For This book is aimed at IT  
security professionals,  
pentesters, and security  
analysts who have basic  
knowledge of Kali Linux and  
want to conduct advanced  
penetration testing  
techniques. What You Will  
Learn Installing, setting up  
and customizing Kali for  
pentesting on multiple  
platforms Pentesting  
routers and embedded  
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through corporate network  
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Fiddling around with  
software-defined radio  
Hacking on the run with

NetHunter Writing good quality reports In Detail With the current rate of hacking, it is very important to pentest your environment in order to ensure advanced-level security. This book is packed with practical recipes that will quickly get you started with Kali Linux (version 2016.2) according to your needs, and move on to core functionalities. This book will start with the installation and configuration of Kali Linux so that you can perform your tests. You will learn how to plan attack strategies and perform web application exploitation using tools such as Burp, and Jexboss. You will also learn how to perform network exploitation using Metasploit, Sparta, and Wireshark. Next, you will perform wireless and password attacks using tools such as Patator, John the Ripper, and airoscript-ng. Lastly, you will learn how to create an optimum

quality pentest report! By the end of this book, you will know how to conduct advanced penetration testing thanks to the book's crisp and task-oriented recipes. Style and approach This is a recipe-based book that allows you to venture into some of the most cutting-edge practices and techniques to perform penetration testing with Kali Linux.

[Access Data Analysis Cookbook](#) - Ken Bluttman  
2007-05-14

If you have large quantities of data in a Microsoft Access database, and need to study that data in depth, this book is a data cruncher's dream. Access Data Analysis Cookbook offers practical recipes to solve a variety of common problems that users have with extracting Access data and performing calculations on it. Each recipe includes a discussion on how and why the solution works. Whether you use Access 2007 or an earlier version, this book

will teach you new methods to query data, different ways to move data in and out of Access, how to calculate answers to financial and investment issues, and more. Learn how to apply statistics to summarize business information, how to jump beyond SQL by manipulating data with VBA, how to process dates and times, and even how to reach into the Excel data analysis toolkit. Recipes demonstrate ways to:

- Develop basic and sophisticated queries
- Apply aggregate functions, custom functions, regular expressions, and crosstabs
- Apply queries to perform non-passive activities such as inserting, updating, and deleting data
- Create and manipulate tables and queries programmatically
- Manage text-based data, including methods to isolate parts of a string and ways to work with numbers that are stored as text
- Use arrays, read and write to the

Windows registry, encrypt data, and use transaction processing Use the FileSystemObject, use XML with XSLT, communicate with SQL Server, and exchange data with other Office products Find answers from time-based data, such as how to add time, count elapsed time, work with leap years, and how to manage time zones in your calculations Deal with business and finance problems, including methods for calculating depreciation, loan paybacks, and Return on Investment (ROI) Explore statistical techniques, such as frequency, variance, kurtosis, linear regression, combinations and permutations Access Data Analysis Cookbook is a one-stop-shop for extracting nuggets of valuable information from your database, and anyone with Access experience will benefit from these tips and techniques, including seasoned developers. If you

want to use your data, and not just store it, you'll find this guide indispensable.

## **Tableau 10 Bootcamp -**

Joshua N. Milligan

2017-09-26

Sharpen your data visualization skills with Tableau 10 Bootcamp. About This Book Make informed decisions using powerful visualizations in Tableau Learn effective data storytelling to transform how your business uses ideas Use this extensive bootcamp that makes you an efficient Tableau user in a short span of time Who This Book Is For This book caters to business, data, and analytics professionals who want to build rich interactive visualizations using Tableau Desktop. Familiarity with previous versions of Tableau will be helpful, but not necessary. What You Will Learn Complete practical Tableau tasks with each chapter Build different types of charts in Tableau with ease

Extend data using calculated fields and parameters Prepare and refine data for analysis Create engaging and interactive dashboards Present data effectively using story points In Detail Tableau is a leading visual analytics software that can uncover insights for better and smarter decision-making. Tableau has an uncanny ability to beautify your data, compared to other BI tools, which makes it an ideal choice for performing fast and easy visual analysis. A military camp style fast-paced learning book that builds your understanding of Tableau 10 in no time. This day based learning guide contains the best elements from two of our published books, Learning Tableau 10 - Second Edition and Tableau 10 Business Intelligence Cookbook, and delivers practical, learning modules in manageable chunks. Each chunk is delivered in a "day", and

each "day" is a productive day. Each day builds your competency in Tableau. You will increase your competence in integrating analytics and forecasting to enhance data analysis during the course of this Bootcamp. Each chapter presents core concepts and key takeaways about a topic in Tableau and provides a series of hands-on exercises. In addition to these exercises, at the end of the chapter, you will find self-check quizzes and extra drills to challenge you, to take what you learned to the next level. To summarize, this book will equip you with step-by-step instructions through rigorous tasks, practical callouts, and various real-world examples and assignments to reinforce your understanding of Tableau 10. Style and approach A fast paced book filled with highly-effective real-world examples to help you build new things and help you in solving

problems in newer and unseen ways.

*PowerShell for SQL Server Essentials* - Donabel Santos  
2015-02-25

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.

**SQL Server 2014 with PowerShell V5 Cookbook**  
- Donabel Santos  
2015-11-30

Over 150 real-world recipes to simplify database management, automate repetitive tasks, and enhance your productivity  
About This Book • This book helps you build a strong foundation to get you comfortable using PowerShell with SQL Server, empowering you to create more complex scripts for your day-to-day job • The book provides numerous guidelines, tips, and explanations on how and when to use PowerShell

cmdlets, WMI, SMO, .NET classes, or other components

- It offers easy-to-follow, practical recipes to help you get the most out of SQL Server and PowerShell

Who This Book Is For

If you are a SQL Server database professional (DBA, developer, or BI developer) who wants to use PowerShell to automate, integrate, and simplify database tasks, this book is for you. Prior knowledge of scripting would be helpful, but it is not necessary.

What You Will Learn

- Explore database objects and execute queries on multiple servers
- Manage and monitor the running of SQL Server services and accounts
- Back up and restore databases
- Create an inventory of database properties and server configuration settings
- Maintain permissions and security for users
- Work with CLR assemblies, XML, and BLOB objects in SQL
- Manage and deploy SSIS

packages and SSRS reports

In Detail

PowerShell can be leveraged when automating and streamlining SQL Server tasks. PowerShell comes with a rich set of cmdlets, and integrates tightly with the .NET framework. Its scripting capabilities are robust and flexible, allowing you to simplify automation and integration across different Microsoft applications and components.

The book starts with an introduction to the new features in SQL Server 2014 and PowerShell v5 and the installation of SQL Server. You will learn about basic SQL Server administration tasks and then get to know about some security-related topics such as the authentication mode and assigning permissions. Moving on, you will explore different methods to back up and restore your databases and perform advanced administration tasks such as working with Policies,



Filetables, and SQL audits. The next part of the book covers more advanced HADR tasks such as log shipping and data mirroring, and then shows you how to develop your server to work with BLOB, XML, and JSON. Following on from that, you will learn about SQL Server's BI stack, which includes SSRS reports, the SSIS package, and the SSAS cmdlet and database. Snippets not specific to SQL Server will help you perform tasks quickly on SQL servers. Towards the end of the book, you will find some useful information, which includes a PowerShell tutorial for novice users, some commonly-used PowerShell and SQL Server syntax, and a few online resources. Finally, you will create your own SQL Server Sandbox VMs. All these concepts will help you to efficiently manage your administration tasks. *Style and approach* SQL Server 2014 with PowerShell v5

Cookbook is an example-focused book that provides step-by-step instructions on how to accomplish specific SQL Server tasks using PowerShell. Each recipe is followed by an analysis of the steps or design decisions taken and additional information about the task at hand. Working scripts are provided for all examples so that you can dive in right away. You can read this book sequentially by chapter or you can pick and choose which topics you need right away.

**SharePoint 2013 WCM Advanced Cookbook** - John Chapman 2014-01-23

You will be led carefully step-by-step through a detailed set of recipes. This book focuses on web content management using Microsoft SharePoint 2013 server. The practical examples are built logically throughout the chapters to create a common theme. This book is ideal for developers who want to broaden their

understanding of the web content management features available with SharePoint 2013. It is assumed that you already have some experience using SharePoint and developing web content. Experience with Microsoft PowerShell and coding C# with Visual Studio will also be helpful, but is not essential.

Hyper-V Network Virtualization Cookbook - Ryan Boud 2014-11-28

If you are a virtualization architect, engineer, or administrator who wants to leverage Hyper-V to create virtual networks (virtual data centers), this is the book for you. Prior knowledge of Hyper-V or a similar solution and a good understanding of the end goals of creating a virtual network is required.

SQL Server 2014 with PowerShell v5 Cookbook - Donabel Santos 2015-12-04  
Over 150 real-world recipes to simplify database management, automate repetitive tasks, and

enhance your productivity  
**About This Book** This book helps you build a strong foundation to get you comfortable using PowerShell with SQL Server, empowering you to create more complex scripts for your day-to-day job The book provides numerous guidelines, tips, and explanations on how and when to use PowerShell cmdlets, WMI, SMO, .NET classes, or other components It offers easy-to-follow, practical recipes to help you get the most out of SQL Server and PowerShell  
**Who This Book Is For** If you are a SQL Server database professional (DBA, developer, or BI developer) who wants to use PowerShell to automate, integrate, and simplify database tasks, this book is for you. Prior knowledge of scripting would be helpful, but it is not necessary.  
**What You Will Learn** Explore database objects and execute queries on multiple

servers Manage and monitor the running of SQL Server services and accounts Back up and restore databases Create an inventory of database properties and server configuration settings Maintain permissions and security for users Work with CLR assemblies, XML, and BLOB objects in SQL Manage and deploy SSIS packages and SSRS reports In Detail PowerShell can be leveraged when automating and streamlining SQL Server tasks. PowerShell comes with a rich set of cmdlets, and integrates tightly with the .NET framework. Its scripting capabilities are robust and flexible, allowing you to simplify automation and integration across different Microsoft applications and components. The book starts with an introduction to the new features in SQL Server 2014 and PowerShell v5 and the installation of SQL Server. You will learn about basic SQL Server

administration tasks and then get to know about some security-related topics such as the authentication mode and assigning permissions. Moving on, you will explore different methods to back up and restore your databases and perform advanced administration tasks such as working with Policies, Filetables, and SQL audits. The next part of the book covers more advanced HADR tasks such as log shipping and data mirroring, and then shows you how to develop your server to work with BLOB, XML, and JSON. Following on from that, you will learn about SQL Server's BI stack, which includes SSRS reports, the SSIS package, and the SSAS cmdlet and database. Snippets not specific to SQL Server will help you perform tasks quickly on SQL servers. Towards the end of the book, you will find some useful information, which includes a PowerShell

tutorial for novice users, some commonly-used PowerShell and SQL Server syntax, and a few online resources. Finally, you will create your own SQL Server Sandbox VMs. All these concepts will help you to efficiently manage your administration tasks. Style and approach SQL Server 2014 with PowerShell v5 Cookbook is an example-focused book that provides step-by-step instructions on how to accomplish specific SQL Server tasks using PowerShell. Each recipe is followed by an analysis of the steps or design decisions taken and additional information about the task at hand. Working scripts are provided for all examples so that you can dive in right away. You can read this book sequentially by chapter or you can pick and choose which topics you need right away.

*Expert Scripting and Automation for SQL Server DBAs* - Peter A. Carter  
2016-07-27

Automate your workload and manage more databases and instances with greater ease and efficiency by combining metadata-driven automation with powerful tools like PowerShell and SQL Server Agent.

Automate your new instance-builds and use monitoring to drive ongoing automation, with the help of an inventory database and a management data warehouse. The market has seen a trend towards there being a much smaller ratio of DBAs to SQL Server instances. Automation is the key to responding to this challenge and continuing to run a reliable database platform service. Expert Scripting and Automation for SQL Server DBAs guides you through the process of automating the maintenance of your SQL Server enterprise. Expert Scripting and Automation for SQL Server DBAs shows how to automate the SQL Server build processes, monitor multiple instances

from a single location, and automate routine maintenance tasks throughout your environment. You will also learn how to create automated responses to common or time consuming break/fix scenarios. The book helps you become faster and better at what you do for a living, and thus more valuable in the job market. Extensive coverage of automation using PowerShell and T-SQL Detailed discussion and examples on metadata-driven automation Comprehensive coverage of automated responses to break/fix scenarios What You Will Learn Automate the SQL Server build process Create intelligent, metadata-drive routines Automate common maintenance tasks Create automated responses to common break/fix scenarios Monitor multiple instance from a central location Utilize T-SQL and PowerShell for

administrative purposes Who This Book Is For Expert Scripting and Automation for SQL Server DBAs is a book for SQL Server database administrators responsible for managing increasingly large numbers of databases across their business enterprise. The book is also useful for any database administrator looking to ease their workload through automation. The book addresses the needs of these audiences by showing how to get more done through less effort by implementing an intelligent, automated-processes service model using tools such as T-SQL, PowerShell, Server Agent, and the Management Data Warehouse.

**SQL Server 2016 Reporting Services Cookbook** - Dinesh Priyankara 2016-11-29 Create interactive cross-platform reports and dashboards using SQL Server 2016 Reporting

Services About This Book  
Get up to speed with the newly-introduced enhancements and the more advanced query and reporting features Easily access your important data by creating visually appealing dashboards in the Power BI practical recipe Create cross-browser and cross-platform reports using SQL Server 2016 Reporting Services Who This Book Is For This book is for software professionals who develop and implement reporting solutions using Microsoft SQL Server. It is especially relevant for professionals who are software engineers, software architects, DW/BI engineers, and DW/BI architects who perform simple to complex report authoring implementations. This book is also suitable for those who develop software solutions that integrate reporting solutions and are keen to learn about Microsoft SQL Server 2016's features and

capabilities. What You Will Learn Key capabilities, architecture, and components of Reporting Services New features that have been added to Reporting Services Design the architecture for reporting solutions Design the architecture for BI solutions Implement reporting solutions using Reporting Services Improve the performance, availability, and scalability of the reporting solution Enhance reporting solutions with custom programming and improved security In Detail Microsoft SQL Server 2016 Reporting Services comes with many new features. It offers different types of reporting such as Production, Ad-hoc, Dashboard, Mash-up, and Analytical. SQL Server 2016 also has a surfeit of new features including Mobile Reporting, and Power BI integration. This book contains recipes that explore the new and advanced features added to

SQL Server 2016. The first few chapters cover recipes on configuring components and how to explore these new features. You'll learn to build your own reporting solution with data tools and report builder, along with learning techniques to create visually appealing reports. This book also has recipes for enhanced mobile reporting solutions, accessing these solutions effectively, and delivering interactive business intelligence solutions. Towards the end of the book, you'll get to grips with running reporting services in SharePoint integrated mode and be able to administer, monitor, and secure your reporting solution. This book covers about the new offerings of Microsoft SQL Server 2016 Reporting Services in comprehensive detail and uses examples of real-world problem-solving business scenarios. Style and approach This comprehensive cookbook

follows a problem-solution approach to help you overcome any obstacle when creating interactive, visually-appealing reports using SQL Server 2016 Reporting Services. Each recipe focuses on a specific task and is written in a clear, solution-focused style. System Center 2016 Virtual Machine Manager Cookbook, - EDVALDO ALESSANDRO CARDOSO 2018-02-21 Maximize your administration skills effectively and efficiently Key Features Implement cost-effective virtualization solutions for your organization with actionable recipes Explore the concepts of VMM with real-world use cases Use the latest features with VMM 2016 such as Cluster OS Rolling Upgrade, Guarded Fabric and Storage Spaces Direct Book Description Virtual Machine Manager (VMM) 2016 is part of the System Center suite to configure and manage

datacenters and offers a unified management experience on-premises and Azure cloud. This book will be your best companion for day-to-day virtualization needs within your organization, as it takes you through a series of recipes to simplify and plan a highly scalable and available virtual infrastructure. You will learn the deployment tips, techniques, and solutions designed to show users how to improve VMM 2016 in a real-world scenario. The chapters are divided in a way that will allow you to implement the VMM 2016 and additional solutions required to effectively manage and monitor your fabrics and clouds. We will cover the most important new features in VMM 2016 across networking, storage, and compute, including brand new Guarded Fabric, Shielded VMs and Storage Spaces Direct. The recipes in the book provide step-by-step instructions giving you

the simplest way to dive into VMM fabric concepts, private cloud, and integration with external solutions such as VMware, Operations Manager, and the Windows Azure Pack. By the end of this book, you will be armed with the knowledge you require to start designing and implementing virtual infrastructures in VMM 2016. What you will learn  
Plan and design a VMM architecture for real-world deployment  
Configure fabric resources, including compute, networking, and storage  
Create and manage Storage Spaces Direct clusters in VMM  
Configure Guarded Fabric with Shielded VMs  
Create and deploy virtual machine templates and multi-tier services  
Manage Hyper-V and VMware environments from VMM  
Enhance monitoring and management capabilities  
Upgrade to VMM 2016 from previous versions  
Who this book is for  
If you are a



solutions architect, technical consultant, administrator, or any other virtualization enthusiast who needs to use Microsoft System Center Virtual Machine Manager in a real-world environment, then this is the book for you.

**Extending Microsoft Dynamics 365 for Operations Cookbook** -

Simon Buxton 2017-05-18  
Have the best tools at your fingertips to extend and maximize the efficiency of your business management  
About This Book Follow practical and easy-to-grasp examples, illustrations and coding to make the most out of Dynamics 365 for Operations in your business scenario  
Extend Dynamics 365 for Operations in a cost-effective manner by using tools you already have  
Solve common business problems with the valuable features of Dynamics 365 for Operations  
Who This Book Is For This book is for those who are getting to grips with Dynamics 365 for

Operations developers or those migrating from C# development. The guide includes information essential for new and experienced Dynamics 365 for Operations developers.  
What You Will Learn  
Create enumerated and extended data types  
Understand the importance of using patterns and frameworks while creating a unique concept for your solution  
Service and deploy your code and packages to improve performance  
Write and perform unit tests to automate the testing process  
Design your security model and policies to provide code access privileges  
Construct the UI and business logic to add Power BI to dashboards  
In Detail  
Dynamics 365 for Operations is the ERP element of Microsoft's new Dynamics 365 Enterprise Edition. Operations delivers the infrastructure to allow businesses to achieve growth and make better decisions using scalable and

contemporary ERP system tools. This book provides a collection of “recipes” to instruct you on how to create—and extend—a real-world solution using Operations. All key aspects of the new release are covered, and insights into the development language, structure, and tools are discussed in detail. New concepts and patterns that are pivotal to elegant solution designs are introduced and explained, and readers will learn how to extend various aspects of the system to enhance both the usability and capabilities of Operations. Together, this gives the reader important context regarding the new concepts and the confidence to reuse in their own solution designs. This “cookbook” provides the ingredients and methods needed to maximize the efficiency of your business management using the latest in ERP software—Dynamics 365 for Operations. Style and

approach The book takes a practical recipe-based approach, focusing on real-world scenarios and giving you all the information you need to build a strong Dynamics 365 for Operations implementation. *Windows PowerShell Cookbook* - Lee Holmes 2010-08-20 With more than 250 ready-to-use recipes, this solutions-oriented introduction to the Windows PowerShell scripting environment and language provides administrators with the tools to be productive immediately. [PowerShell Deep Dives](#) - Oisín Grehan 2013-07-25 Summary Here's your chance to learn from the best in the business. PowerShell Deep Dives is a trove of essential techniques, practical guidance, and the expert insights you earn only through years of experience. Editors Jeffery Hicks, Richard Siddaway, Oisín Grehan, and

Aleksandar Nikolic hand-picked the 28 chapters in the book's four parts: Administration, Scripting, Development, and Platforms. About the Technology PowerShell has permanently changed Windows administration. This powerful scripting and automation tool allows you to control virtually every aspect of Windows and most Microsoft servers like IIS and SQL Server. Here's your chance to learn from the best in the business. About this Book PowerShell Deep Dives is a trove of essential techniques and practical guidance. It is rich with insights from experts who won them through years of experience. The book's 28 chapters, grouped in four parts (Administration, Scripting, Development, and Platforms), were hand-picked by four section editors: Jeffery Hicks, Richard Siddaway, Oisín Grehan, and Aleksandar Nikolic. Whether you're just

getting started with PowerShell or you already use it daily, you'll find yourself returning to this book over and over. What's Inside Managing systems through a keyhole The Ten Commandments of PowerShell scripting Scalable scripting for large datasets Adding automatic remoting Provisioning web servers and websites automatically to IIS 8 And 23 more fantastic chapters Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Editors Jeffery Hicks, Richard Siddaway, Oisín Grehan, and Aleksandar Nikolic are joined by PowerShell experts Chris Bellee, Bartek Bielawski, Robert C. Cain, Jim Christopher, Adam Driscoll, Josh Gavant, Jason Helmick, Don Jones, Ashley McGlone, Jonathan Medd, Ben Miller, James O'Neill, Arnaud Petitjean, Vadims Podans, Karl Prosser, Boe

Prox, Matthew Reynolds,  
Mike Robbins, Donabel  
Santos, Will Steele, Trevor  
Sullivan, and Jeff Wouters.  
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