



PowerShell



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Tarun Vashishth



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Active Directory Cookbook Laura E. Hunter,Robbie Allen,2008-12-16 When you need practical hands on support for Active Directory the updated edition of this extremely popular Cookbook provides quick solutions to more than 300 common and uncommon problems you might encounter when deploying administering and automating Microsoft s network directory service For the third edition Active Directory expert Laura E Hunter offers troubleshooting recipes based on valuable input from Windows administrators in addition to her own experience You ll find solutions for the Lightweight Directory Access Protocol LDAP ADAM Active Directory Application Mode multi master replication Domain Name System DNS Group Policy the Active Directory Schema and many other features The Active Directory Cookbook will help you Perform Active Directory tasks from the command line Use scripting technologies to automate Active Directory tasks Manage new Active Directory features such as Read Only Domain Controllers fine grained password policies and more Create domains and trusts Locate users whose passwords are about to expire Apply a security filter to group policy objects Check for potential replication problems Restrict hosts from performing LDAP queries View DNS server performance statistics Each recipe includes a discussion explaining how and why the solution works so you can adapt the problem solving techniques to similar situations Active Directory Cookbook is ideal for any IT professional using Windows Server 2008 Exchange 2007 and Identity Lifecycle Manager 2007 including Active Directory administrators looking to automate task based solutions It is rare for me to visit a customer site and not see a copy of Active Directory Cookbook on a shelf somewhere which is a testament to its usefulness The Cookbook takes the pain out of everyday AD tasks by providing concise clear and relevant recipes The fact that the recipes are provided using different methods graphical user interface command line and scripting means that the book is suitable for anyone working with AD on a day to day basis The introduction of PowerShell examples in this latest edition will be of particular interest for those looking to transition from VBScript Laura has also done a great job in extending the Cookbook in this edition to encompass the broad range of changes to AD in Windows Server 2008 Tony Murray Founder of Activedir org and Directory Services MVP If you already understand Active Directory fundamentals and are looking for a quick solution to common Active Directory related tasks look no further you have found the book that you need joe Richards Directory Services MVP The Active Directory Cookbook is the real deal a soup to nuts catalog of every administrative task an Active Directory administrator needs to perform If you administer an Active Directory installation this is the very first book you have to put on your shelf Gil Kirkpatrick Chief Architect Active Directory and Identity Management Quest Software and Directory Services MVP [Active Directory Cookbook](#) Brian Svidergol,Robbie Allen,2013-05-29 Take the guesswork out of deploying administering and automating Active Directory With hundreds of proven recipes the updated edition of this popular cookbook provides quick step by step solutions to common and not so common problems you might encounter when working with Microsoft s network directory service This fourth edition includes troubleshooting recipes for Windows Server

2012 Windows 8 and Exchange 2013 based on valuable input from Windows administrators You'll also find quick solutions for the Lightweight Directory Access Protocol LDAP Active Directory Lightweight Directory Services AD LDS multi master replication DNS Group Policy and many other features Manage new AD features such as the Recycle Bin Group Managed Service Accounts and fine grained password policies Work with AD from the command line and use Windows PowerShell to automate tasks Remove and create forests domains and trusts Create groups modify group scope and type and manage membership Delegate control view and modify permissions and handle Kerberos tickets Import and export data with LDAP Data Interchange Format LDIF Synchronize multiple directories and enforce data integrity within a single or multiple stores Back up AD and perform authoritative and non authoritative restores **Mastering Microsoft Exchange Server 2007**

SP1 Jim McBee, 2009-01-26 Microsoft Exchange Server provides a reliable messaging system that protects against spam and viruses and allows for access to e mail voicemail and calendars from a variety of devices and any location Fully updated for the latest release of Microsoft Exchange Server 2007 Service Pack 1 SP1 this book offers a look at the significant improvements and exciting features of SP1 and explains how they will increase productivity You'll walk through planning and design installation administration and management maintenance and more and also take a look at SP1's interoperability with Windows Server 2008 unified messaging and enhancements in mobile e mail security and management **Cyber Forensics**

Up and Running Tarun Vashishth, 2023-12-12 Empowering you to investigate analyze and secure the digital realm **KEY FEATURES** Comprehensive coverage of all digital forensics concepts Real world case studies and examples to illustrate techniques Step by step instructions for setting up and using essential forensic tools In depth exploration of volatile and non volatile data analysis **DESCRIPTION** Digital forensics is the art and science of extracting the hidden truth and this book is your hands on companion bringing the world of digital forensics to life Starting with the core principles of digital forensics the book explores the significance of various case types the interconnectedness of the field with cybersecurity and the ever expanding digital world's challenges As you progress you will explore data acquisition image formats digital evidence preservation file carving metadata extraction and the practical use of essential forensic tools like HxD The Sleuth Kit Autopsy Volatility and PowerForensics The book offers step by step instructions real world case studies and practical examples ensuring that beginners can confidently set up and use forensic tools Experienced professionals on the other hand will find advanced insights into memory analysis network forensics anti forensic techniques and more This book empowers you to become a digital detective capable of uncovering data secrets investigating networks exploring volatile and non volatile evidence and understanding the intricacies of modern browsers and emails **WHAT YOU WILL LEARN** Learn how to set up and use digital forensic tools including virtual environments Learn about live forensics incident response and timeline examination In depth exploration of Windows Registry and USBs Network forensics PCAPs and malware scenarios Memory forensics malware detection and file carving Advance tools like PowerForensics and Autopsy **WHO THIS BOOK IS FOR**

Whether you are a tech savvy detective a curious student or a seasoned cybersecurity pro seeking to amplify your skillset Network admins law enforcement officers incident responders aspiring analysts and even legal professionals will find invaluable tools and techniques within these pages

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Windows Command Line Self-Study Training Kit William Stanek Training Solutions,2016-12-08 150 000 words

2 Full length Personal Training Guides in 1 Convenient Kit Includes the full contents of Windows Command Line The Personal Trainer Windows Command Line for Administration The Personal Trainer

Chances are that if you work with Windows computers you ve used Windows Command Line You may even have run commands at the command prompt However you probably still have many questions about Windows Command Line and may also wonder what tools and resources are available This training kit for Windows power users and IT professionals delivers ready answers for using Windows command line tools to manage Windows Windows Server 2012 and Windows Server 2012 R2 Not only is this training kit packed with examples that show you how to run use schedule and script Windows commands and support tools it s written by a well known author of computer books and features easy to read tables lists and step by step instructions Designed for anyone who wants to learn Windows Command Line this training will help you perform tasks more efficiently troubleshoot performance issues and programs manage computer settings perform routine maintenance and much more With its comprehensive overviews step by step procedures frequently used tasks and documented examples this training kit delivers the fast accurate information you need

Hands-On Kubernetes on Windows Piotr Tylenda,2020-03-31 Build and deploy scalable cloud applications using Windows containers and Kubernetes Key FeaturesRun deploy and orchestrate containers on the Windows platform with this Kubernetes bookUse Microsoft SQL Server 2019 as a data store to deploy Kubernetes applications written in NET FrameworkSet up a Kubernetes development environment and deploy clusters with Windows Server 2019 nodesBook Description With the adoption of Windows containers in Kubernetes you can now fully leverage the flexibility and robustness of the Kubernetes container orchestration system in the Windows ecosystem This support will enable you to create new Windows applications and migrate existing ones to the cloud native stack with the same ease as for Linux oriented cloud applications This practical guide takes you through the key concepts involved in packaging Windows distributed applications into containers and orchestrating these using Kubernetes You ll also understand the current limitations of Windows support in Kubernetes As you advance you ll gain hands on experience deploying a fully functional hybrid Linux Windows Kubernetes cluster for development and explore production scenarios in on premises and cloud environments such as Microsoft Azure Kubernetes Service By the end of this book you ll be well versed with

containerization microservices architecture and the critical considerations for running Kubernetes in production environments successfully What you will learn Understand containerization as a packaging format for applications Create a development environment for Kubernetes on Windows Grasp the key architectural concepts in Kubernetes Discover the current limitations of Kubernetes on the Windows platform Provision and interact with a Kubernetes cluster from a Windows machine Create hybrid Windows Kubernetes clusters in on premises and cloud environments Who this book is for This book is for software developers system administrators DevOps engineers and architects working with Kubernetes on Windows Windows Server 2019 and Windows containers Knowledge of Kubernetes as well as the Linux environment will help you get the most out of this book *Professional NoSQL* Shashank Tiwari, 2011-09-13 A hands on guide to leveraging NoSQL databases NoSQL databases are efficient powerful tools for storing and manipulating vast quantities of data Most NoSQL databases scale well as data grows and often are flexible enough to accommodate semi structured and sparse data sets This comprehensive hands on guide presents fundamental concepts and practical solutions for using NoSQL databases Expert author Shashank Tiwari begins with a helpful introduction to NoSQL explaining its characteristics and typical uses He then looks at where it fits in the application stack His unique insights help you choose which NoSQL solutions are best for solving your specific data storage needs Professional NoSQL Demystifies key concepts that relate to NoSQL databases including column family oriented stores key value databases and document databases Delves into installing and configuring a number of NoSQL products and the Hadoop family of products Explains ways of storing accessing and querying data in NoSQL databases through examples that use MongoDB HBase Cassandra Redis CouchDB Google App Engine Datastore and more Examines architecture and internals Provides guidelines for optimal usage performance tuning and scalable configurations Presents a number of tools and utilities relating to NoSQL distributed platforms and scalable processing including Hive Pig RRDtool Nagios and more Wrox Professional guides are planned and written by working programmers to meet the real world needs of programmers developers and IT professionals Focused and relevant they address the issues technology professionals face every day They provide examples practical solutions and expert education in new technologies all designed to help programmers do a better job wrox com Programmer Forums Join our Programmer to Programmer forums to ask and answer programming questions about this book join discussions on the hottest topics in the industry and connect with fellow programmers from around the world Code Downloads Take advantage of free code samples from this book as well as code samples from hundreds of other books all ready to use Read More Find articles ebooks sample chapters and tables of contents for hundreds of books and more reference resources on programming topics that matter to you Windows Performance Analysis Field Guide Clint Huffman, 2014-08-14 Microsoft Windows 8 1 and Windows Server 2012 R2 are designed to be the best performing operating systems to date but even the best systems can be overwhelmed with load and or plagued with poorly performing code Windows Performance Analysis Field Guide gives you a practical field guide

approach to performance monitoring and analysis from experts who do this work every day Think of this book as your own guide to What would Microsoft support do when you have a Windows performance issue Author Clint Huffman a Microsoft veteran of over fifteen years shows you how to identify and alleviate problems with the computer resources of disk memory processor and network You will learn to use performance counters as the initial indicators then use various tools to dig in to the problem as well as how to capture and analyze boot performance problems This field guide gives you the tools and answers you need to improve Microsoft Windows performance Save money on optimizing Windows performance with deep technical troubleshooting that tells you What would Microsoft do to solve this Includes performance counter templates so you can collect the right data the first time Learn how to solve performance problems using free tools from Microsoft such as the Windows Sysinternals tools and more In a rush Chapter 1 Start Here gets you on the quick path to solving the problem Also covers earlier versions such as Windows 7 and Windows Server 2008 R2 *CompTIA PenTest+ Certification Passport (Exam PT0-001)* Heather Linn, 2020-02-28 This effective self study guide serves as an accelerated review of all exam objectives for the CompTIA PenTest certification exam This concise quick review test preparation guide offers 100% coverage of all exam objectives for the new CompTIA PenTest exam Designed as an accelerated review of all the key information covered on the exam the Passport s established pedagogy enables you to tailor a course for study and drill down into the exam objectives Special elements highlight actual exam topics and point you to additional resources for further information Written by an IT security expert and experienced author CompTIA PenTest Certification Passport Exam PT0 001 focuses on exactly what you need to know to pass the exam The book features end of chapter review sections that provide bulleted summations organized by exam objective Accurate practice exam questions with in depth answer explanations aid in retention reinforce what you have learned and show how this information directly relates to the exam Online content includes access to the TotalTester online test engine with 200 multiple choice practice questions and additional performance based questions Follows the newly refreshed Certification Passport series developed by training guru Mike Meyers Includes a 10% off exam voucher coupon a 35 value *CEH Certified Ethical Hacker All-in-One Exam Guide, Fifth Edition* Matt Walker, 2021-11-05 Up to date coverage of every topic on the CEH v11 exam Thoroughly updated for CEH v11 exam objectives this integrated self study system offers complete coverage of the EC Council s Certified Ethical Hacker exam In this new edition IT security expert Matt Walker discusses the latest tools techniques and exploits relevant to the exam You ll find learning objectives at the beginning of each chapter exam tips practice exam questions and in depth explanations Designed to help you pass the exam with ease this comprehensive resource also serves as an essential on the job reference Covers all exam topics including Ethical hacking fundamentals Reconnaissance and footprinting Scanning and enumeration Sniffing and evasion Attacking a system Hacking web servers and applications Wireless network hacking Mobile IoT and OT Security in cloud computing Trojans and other attacks including malware analysis Cryptography Social engineering and

physical security Penetration testing Online content includes 300 practice exam questions Test engine that provides full length practice exams and customized quizzes by chapter or exam domain

CEH Certified Ethical Hacker Bundle, Fifth Edition Matt Walker, 2022-08-05 Thoroughly revised to cover 100% of the EC Council's Certified Ethical Hacker Version 11 exam objectives this bundle includes two books and online practice exams featuring hundreds of realistic questions This fully updated money saving self study set prepares certification candidates for the CEH v11 exam Examinees can start by reading CEH Certified Ethical Hacker All in One Exam Guide Fifth Edition to learn about every topic included in the v11 exam objectives Next they can reinforce what they've learned with the 600 practice questions featured in CEH Certified Ethical Hacker Practice Exams Fifth Edition and online practice exams This edition features up to date coverage of all nine domains of the CEH v11 exam and the five phases of ethical hacking reconnaissance scanning gaining access maintaining access and clearing tracks In all the bundle includes more than 900 accurate questions with detailed answer explanations Online content includes test engine that provides full length practice exams and customizable quizzes by chapter or exam domain This bundle is 33% cheaper than buying the two books separately

AWS Certified Security Specialty All-in-One Exam Guide (Exam SCS-C01) Tracy Pierce, Aravind Kodandaramaiah, Rafael Koike, Alex Rosa, 2021-02-26 This self study resource offers complete coverage of every topic on the AWS Certified Security Specialty exam Take the AWS Certified Security Specialty exam with confidence using the detailed information contained in this effective self study resource Written by a team of AWS insiders the book shows how to develop deploy and maintain robust security protocols on Amazon Web Services AWS Certified Security Specialty All in One Exam Guide Exam SCS C01 covers every objective for the exam and provides comprehensive content on cloud based security To aid in study each chapter includes exam tips chapter summaries and practice questions that simulate those on the live test Designed to help you pass the exam with ease this hands on guide also serves as an ideal on the job reference Covers all exam topics including Cloud security event investigation Cloud security event remediation and planning Monitoring with Amazon CloudWatch Enhanced security monitoring and compliance with AWS services Logging on AWS AWS cryptographic services and tools Designing edge security on AWS Designing and implementing a secure network infrastructure Troubleshooting a secure network infrastructure Designing and implementing host based security AWS identity and access management Troubleshooting authorization and authentication services Online content includes 130 practice exam questions Fully customizable exam engine Downloadable code

MSDN Magazine, 2009 **Professional Windows PowerShell Programming** Arul Kumaravel, 2008-02-19 Describes the concepts components and development techniques of Windows PowerShell to enable users to build software packages and applications

Hands-On Penetration Testing on Windows Phil Bramwell, 2018-07-30 Master the art of identifying vulnerabilities within the Windows OS and develop the desired solutions for it using Kali Linux Key Features Identify the vulnerabilities in your system using Kali Linux 2018 02 Discover the art of

exploiting Windows kernel drivers Get to know several bypassing techniques to gain control of your Windows environment

Book Description Windows has always been the go to platform for users around the globe to perform administration and ad hoc tasks in settings that range from small offices to global enterprises and this massive footprint makes securing Windows a unique challenge This book will enable you to distinguish yourself to your clients In this book you ll learn advanced techniques to attack Windows environments from the indispensable toolkit that is Kali Linux We ll work through core network hacking concepts and advanced Windows exploitation techniques such as stack and heap overflows precision heap spraying and kernel exploitation using coding principles that allow you to leverage powerful Python scripts and shellcode We ll wrap up with post exploitation strategies that enable you to go deeper and keep your access Finally we ll introduce kernel hacking fundamentals and fuzzing testing so you can discover vulnerabilities and write custom exploits By the end of this book you ll be well versed in identifying vulnerabilities within the Windows OS and developing the desired solutions for them

What you will learn Get to know advanced pen testing techniques with Kali Linux Gain an understanding of Kali Linux tools and methods from behind the scenes See how to use Kali Linux at an advanced level Understand the exploitation of Windows kernel drivers Understand advanced Windows concepts and protections and how to bypass them using Kali Linux Discover Windows exploitation techniques such as stack and heap overflows and kernel exploitation through coding principles

Who this book is for This book is for penetration testers ethical hackers and individuals breaking into the pentesting role after demonstrating an advanced skill in boot camps Prior experience with Windows exploitation Kali Linux and some Windows debugging tools is necessary

PowerShell in Depth Don Jones,Jeffery Hicks,Richard Siddaway,2014-10-31

Summary PowerShell in Depth Second Edition is the go to reference for administrators working with Windows PowerShell Every major technique technology and tactic is carefully explained and demonstrated providing a hands on guide to almost everything an admin would do in the shell Written by three experienced authors and PowerShell MVPs this is the PowerShell book you ll keep next to your monitor not on your bookshelf Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications

About the Book A Windows admin using PowerShell every day may not have the time to search the net every time he or she hits a snag Wouldn t it be great to have a team of seasoned PowerShell experts ready to answer even the toughest questions That s what you get with this book

PowerShell in Depth Second Edition is the go to reference for administrators working with Windows PowerShell Every major technique technology and tactic is carefully explained and demonstrated providing a hands on guide to almost everything an admin would do in the shell Written by PowerShell MVPs Don Jones Jeffrey Hicks and Richard Siddaway each valuable technique was developed and thoroughly tested so you ll be able to consistently write production quality maintainable scripts while saving hours of time and effort This book assumes you know the basics of PowerShell

What s Inside Automating tasks Packaging and deploying scripts Introduction to Desired State Configuration PowerShell security Covers PowerShell version 3 and later

About the Authors

Don Jones Jeffery Hicks and Richard Siddaway are Microsoft MVPs trainers and administrators Collectively they ve authored nearly three dozen books on PowerShell and Windows administration Table of Contents PART 1 POWERSHELL FUNDAMENTALS Introduction PowerShell hosts Using the PowerShell help system The basics of PowerShell syntax Working with PSSnapins and modules Operators Working with objects The PowerShell pipeline Formatting PART 2 POWERSHELL MANAGEMENT PowerShell Remoting Background jobs and scheduling Working with credentials Regular expressions Working with HTML and XML data PSDrives and PSProviders Variables arrays hash tables and script blocks PowerShell security Advanced PowerShell syntax PART 3 POWERSHELL SCRIPTING AND AUTOMATION PowerShell s scripting language Basic scripts and functions Creating objects for output Scope PowerShell workflows Advanced syntax for scripts and functions Script modules and manifest modules Custom formatting views Custom type extensions Data language and internationalization Writing help Error handling techniques Debugging tools and techniques Functions that work like cmdlets Tips and tricks for creating reports PART 4 ADVANCED POWERSHELL Working with the Component Object Model COM Working with NET Framework objects Accessing databases Proxy functions Building a GUI WMI and CIM Working with the web Desired State Configuration

Windows PowerShell Don Jones,Jeffery Hicks,2006 Scripting gurus Jones and Hicks teach readers PowerShell from the ground up They cover its underlying technologies flexible scripting language and enough of the NET Framework to be effective in PowerShell scripting Computer Books *Learn Windows PowerShell in a Month of Lunches* Don Jones,2016-12-22 Superb full of real world examples this book is an IT specialist s best friend Olivier Deveault Voxco Group *Learn Windows PowerShell in a Month of Lunches Third Edition* is an innovative tutorial designed for busy IT professionals This updated edition covers PowerShell features that run on Windows 7 Windows Server 2008 R2 and later PowerShell v3 and later and includes v5 features like PowerShellGet Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology PowerShell is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of Windows It accepts and executes commands interactively and you can write scripts to manage most Windows servers like Exchange IIS and SharePoint as well as online services like Azure and Office 365 About the Book *Learn Windows PowerShell in a Month of Lunches Third Edition* is an innovative tutorial designed for busy IT professionals Just set aside one hour a day lunchtime would be perfect for a month and you ll be automating Windows tasks faster than you ever thought possible This updated edition covers PowerShell features that run on Windows 7 Windows Server 2008 R2 and later PowerShell v3 and later and includes v5 features like PowerShellGet What s Inside *Learn PowerShell from the beginning* no experience required Covers PowerShell v3 and up Windows 7 and Windows Server 2008 R2 and later Each lesson takes you an hour or less About the Reader Experience with Windows administration is helpful No programming or scripting experience needed About the Author Veteran PowerShell MVPs Don Jones and Jeffery Hicks bring years as successful trainers to this concise easy to follow book Table of Contents

Before you begin Meet PowerShell Using the help system Running commands Working with providers The pipeline connecting commands Adding commands Objects data by another name The pipeline deeper Formatting and why it s done on the right Filtering and comparisons A practical interlude Remote control one to one and one to many Using Windows Management Instrumentation and CIM Multitasking with background jobs Working with many objects one at a time Security alert Variables a place to store your stuff Input and output Sessions remote control with less work You call this scripting Improving your parameterized script Advanced remoting configuration Using regular expressions to parse text files Additional random tips tricks and techniques Using someone else s script Never the end PowerShell cheat sheet

Windows PowerShell Quick Reference Lee Holmes,2006-09-27 For years support for scripting and command line administration on the Windows platform has paled in comparison to the support offered by the Unix platform Unix administrators enjoyed the immense power and productivity of their command shells while Windows administrators watched in envy Windows PowerShell Microsoft s next generation command shell and scripting language changes this landscape completely This Short Cut contains the essential reference material to help you get your work done including the scripting language syntax a regular expression reference useful NET classes and much more **Learn PowerShell Scripting in a Month of Lunches** Don Jones,Jeffery Hicks,2017-11-11 Summary Discover how scripting is different from command line PowerShell as you explore concrete hands on examples in this handy guide The book includes and expands on many of the techniques presented in Learn PowerShell Toolmaking in a Month of Lunches Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology Automate it With Microsoft s PowerShell language you can write scripts to control nearly every aspect of Windows Just master a few straightforward scripting skills and you ll be able to eliminate repetitive manual tasks create custom reusable tools and build effective pipelines and workflows Once you start scripting in PowerShell you ll be amazed at how many opportunities you ll find to save time and effort About the Book Learn PowerShell Scripting in a Month of Lunches teaches you how to expand your command line PowerShell skills into effective scripts and tools In 27 bite size lessons you ll discover instantly useful techniques for writing efficient code finding and squashing bugs organizing your scripts into libraries and much more Advanced scripters will even learn to access the NET Framework store data long term and create nice user interfaces What s Inside Designing functions and scripts Effective pipeline usage Dealing with errors and bugs Professional grade scripting practices About the Reader Written for devs and IT pros comfortable with PowerShell and Windows About the Authors Don Jones is a PowerShell MVP speaker and trainer who has written dozens of books on information technology topics Jeffery Hicks is a PowerShell MVP and an independent consultant trainer and author Don and Jeff coauthored Manning s Learn Windows PowerShell in a Month of Lunches Learn PowerShell Toolmaking in a Month of Lunches and PowerShell in Depth Table of Contents PART 1 INTRODUCTION TO SCRIPTING Before you begin Setting up your scripting environment WWPDP

what would PowerShell do Review parameter binding and the PowerShell pipeline Scripting language crash course The many forms of scripting and which to use Scripts and security PART 2 BUILDING A POWERSHELL SCRIPT Always design first Avoiding bugs start with a command Building a basic function and script module Going advanced with your function Objects the best kind of output Using all the pipelines Simple help making a comment Dealing with errors Filling out a manifest PART 3 GROWN UP SCRIPTING Changing your brain when it comes to scripting Professional grade scripting An introduction to source control with git Pester your script Signing your script Publishing your script PART 4 ADVANCED TECHNIQUES Squashing bugs Making script output prettier Wrapping up the NET Framework Storing data not in Excel Never the end

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Bytes Of Bits Powershell Introduction

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