

Learn WINDOWS POWERSHELL IN A MONTH OF LUNCHES

THIRD EDITION



DON JONES
JEFFERY D. HICKS

 MANNING

Learn Windows Powershell In A Month Of Lunches Third Edition

Lee Holmes



Learn Windows Powershell In A Month Of Lunches Third Edition

Learn PowerShell Scripting in a Month of Lunches Don Jones, Jeffery Hicks, 2017-11-25 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 WWPd 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 Pestering 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

Learn Windows PowerShell in a Month of Lunches Don Jones, Jeffrey T. Hicks, 2019 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 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 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 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 Experience with Windows administration is helpful No programming or scripting experience needed Veteran PowerShell MVPs Don Jones and Jeffery Hicks bring years as successful trainers to this concise easy to follow book course Your key to learning Windows PowerShell Noreen Dertinger Dertinger Informatics A must have both novice and expert will benefit from this book Tiklu Ganguly Mazik Global Learn PowerShell fundamentals from the experts James Berkenbile Berkenbile Consulting NARRATED BY LOU FERNANDEZ

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

Learn Windows PowerShell in a Month of Lunches, Third Edition, Video Edition Don Jones, 2019 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 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 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 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 Experience with Windows administration is helpful No programming or scripting experience needed Veteran PowerShell MVPs Don Jones and Jeffery Hicks bring years as successful trainers to this concise easy to follow book course Your key to learning Windows PowerShell Noreen Dertinger Dertinger Informatics A must have both novice and expert will benefit from this book Tiklu Ganguly Mazik Global Learn PowerShell fundamentals from the experts James Berkenbile Berkenbile Consulting NARRATED BY LOU FERNANDEZ

Learn PowerShell in a Month of Lunches, Fourth Edition Travis Plunk, James Petty, Tyler Leonhardt, Don Jones, Jeffery Hicks, 2022-04-26
Designed for busy IT professionals this innovative guide will take you from the basics to PowerShell proficiency through 25 tutorials you can do in your lunch break Learn PowerShell in a Month of Lunches Fourth Edition is a task focused guide for administering your systems using PowerShell It covers core language features and admin tasks with each chapter a mini tutorial you can easily complete in under an hour Discover how PowerShell works on different operating systems and start automating tasks so they take just a few seconds to complete No previous scripting experience required The book is based on the bestselling Learn Windows PowerShell in a Month of Lunches by community legends Don Jones and Jeffery Hicks PowerShell team members Travis Plunk and Tyler Leonhardt and Microsoft MVP James Petty have updated this edition to the latest version of PowerShell including its multi platform expansion into Linux and macOS PowerShell gives you complete command line control over admin tasks like adding users exporting data and file management Whether you re writing one liners or building complex scripts to manage cloud resources and CI CD pipelines PowerShell can handle the task And now that PowerShell is truly cross platform you don t have to switch scripting languages when you move between Windows Linux and macOS Learn PowerShell in a Month of Lunches Fourth Edition is a new edition of the bestseller that introduced PowerShell to over 100 000 readers With bite sized lessons and hands on exercises this amazing book guides you from your first command to writing and debugging reusable scripts for Windows Linux and macOS Set aside just an hour a day and you ll soon be tackling increasingly complex automation tasks with PowerShell

Learn PowerShell Toolmaking in a Month of Lunches Don Jones, Jeffery Hicks, 2013 Written by PowerShell MVPs Offers practical real world examples Teaches toolmaking from the ground up

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

PowerShell for Sysadmins Adam Bertram, 2020-02-04 Learn to use PowerShell Microsoft s scripting language to automate real world tasks that IT professionals and system administrators deal with every day Save Time Automate PowerShell is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of IT In PowerShell for Sysadmins five time Microsoft MVP Adam the Automator Bertram shows you how to use PowerShell to manage and automate your desktop and server environments so that you can head out for an early lunch You ll learn how to Combine commands control flow handle errors write scripts run scripts remotely and test scripts with the PowerShell testing framework Pester Parse structured data like XML and JSON work with common domains like Active Directory Azure and Amazon Web Services and create a real world server inventory script Design and build a PowerShell module to demonstrate PowerShell isn t just about ad hoc scripts Use PowerShell to create a hands off completely automated Windows deployment Build an entire Active Directory forest from nothing but a Hyper V host and a few ISO files Create endless Web and SQL servers with just a few lines of code Real world examples throughout help bridge the gap between theory and actual system and the author s anecdotes keep things lively Stop with the expensive software and fancy consultants Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy Covers Windows PowerShell v5 1

Learn Azure in a Month of Lunches, Second Edition Iain Foulds, 2020-10-06 Learn Azure in a Month of Lunches Second Edition is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. Summary: You can be incredibly productive with Azure without mastering every feature, function, and service. Learn Azure in a Month of Lunches Second Edition gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical, bite-sized lessons. As you explore the examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery. This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology: Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-based applications. About the book: Learn Azure in a Month of Lunches Second Edition is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside: Understanding Azure beyond point-and-click; Securing applications and data; Automating your environment; Azure services for machine learning, containers, and more. About the reader: This book is for readers who can write and deploy simple web or client-server applications. About the author: Iain Foulds is an engineer and senior content developer with Microsoft. Table of Contents: PART 1: AZURE CORE SERVICES 1. Before you begin 2. Creating a virtual machine 3. Azure Web Apps 4. Introduction to Azure Storage 5. Azure Networking basics PART 2: HIGH AVAILABILITY AND SCALE 6. Azure Resource Manager 7. High availability and redundancy 8. Load balancing applications 9. Applications that scale 10. Global databases with Cosmos DB 11. Managing network traffic and routing 12. Monitoring and troubleshooting PART 3: SECURE BY DEFAULT 13. Backup, recovery, and replication 14. Data encryption 15. Securing information with Azure Key Vault 16. Azure Security Center and updates PART 4: THE COOL STUFF 17. Machine learning and artificial intelligence 18. Azure Automation 19. Azure containers 20. Azure and the Internet of Things 21. Serverless computing

Learn Git in a Month of Lunches Rick Umali, 2015-09-01 Summary Learn Git in a Month of Lunches introduces the discipline of source code control using Git Whether you re a newbie or a busy pro moving your source control to Git you ll appreciate how this book concentrates on the components of Git you ll use every day In easy to follow lessons designed to take an hour or less you ll dig into Git s distributed collaboration model along with core concepts like committing branching and merging Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Book Git is the source code control system preferred by modern development teams Its decentralized architecture and lightning fast branching let you concentrate on your code instead of tedious version control tasks At first Git may seem like a sprawling beast Fortunately to get started you just need to master a few essential techniques Read on Learn Git in a Month of Lunches introduces the discipline of source code control using Git Helpful for both newbies who have never used source control and busy pros this book concentrates on the components of Git you ll use every day In easy to follow lessons that take an hour or less you ll dig into Git s distributed collaboration model along with core concepts like committing branching and merging This book is a road map to the commands and processes you need to be instantly productive What s Inside Start from square one no experience required The most frequently used Git commands Mental models that show how Git works Learn when and how to branch code About the Reader No previous experience with Git or other source control systems is required About the Author Rick Umali uses Git daily as a developer and is a skilled consultant trainer and speaker Table of Contents Before you begin An overview of Git and version control Getting oriented with Git Making and using a Git repository Using Git with a GUI Tracking and updating files in Git Committing parts of changes The time machine that is Git Taking a fork in the road Merging branches Cloning Collaborating with remotes Pushing your changes Keeping in sync Software archaeology Understanding git rebase Workflows and branching conventions Working with GitHub Third party tools and Git Sharpening your Git

Windows PowerShell Pocket Reference Lee Holmes, 2012-12-10 This portable reference to Windows PowerShell 3.0 summarizes the command shell and scripting language and provides a concise reference to the many tasks that make PowerShell so useful If you re a busy Windows administrator and don t have time to plow through huge books or search online this is the ideal on the job tool Written by Microsoft PowerShell team member Lee Holmes and excerpted from his Windows PowerShell Cookbook this edition offers up to date coverage of PowerShell 3.0 You ll find information on the .NET classes and legacy tools you need to manage your system along with chapters on how to write scripts manage errors and format output Beginning with a guided tour of Windows PowerShell this handy guide covers PowerShell language and environment Regular expression reference XPath quick reference .NET string formatting .NET DateTime formatting Selected .NET classes and their uses WMI reference Selected COM objects and their uses Selected events and their uses Standard PowerShell verbs

Learn Docker in a Month of Lunches Elton Stoneman, 2020-08-04 Summary Go from zero to production readiness with Docker in 22 bite sized lessons *Learn Docker in a Month of Lunches* is an accessible task focused guide to Docker on Linux Windows or Mac systems In it you ll learn practical Docker skills to help you tackle the challenges of modern IT from cloud migration and microservices to handling legacy systems There s no excessive theory or niche use cases just a quick and easy guide to the essentials of Docker you ll use every day Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the technology The idea behind Docker is simple package applications in lightweight virtual containers that can be easily installed The results of this simple idea are huge Docker makes it possible to manage applications without creating custom infrastructures Free open source and battle tested Docker has quickly become must know technology for developers and administrators About the book *Learn Docker in a Month of Lunches* introduces Docker concepts through a series of brief hands on lessons Following a learning path perfected by author Elton Stoneman you ll run containers by chapter 2 and package applications by chapter 3 Each lesson teaches a practical skill you can practice on Windows macOS and Linux systems By the end of the month you ll know how to containerize and run any kind of application with Docker What s inside Package applications to run in containers Put containers into production Build optimized Docker images Run containerized apps at scale About the reader For IT professionals No previous Docker experience required About the author Elton Stoneman is a consultant a former architect at Docker a Microsoft MVP and a Pluralsight author Table of Contents PART 1 UNDERSTANDING DOCKER CONTAINERS AND IMAGES 1 Before you begin 2 Understanding Docker and running Hello World 3 Building your own Docker images 4 Packaging applications from source code into Docker Images 5 Sharing images with Docker Hub and other registries 6 Using Docker volumes for persistent storage PART 2 RUNNING DISTRIBUTED APPLICATIONS IN CONTAINERS 7 Running multi container apps with Docker Compose 8 Supporting reliability with health checks and dependency checks 9 Adding observability with containerized monitoring 10 Running multiple environments with Docker Compose 11 Building and testing applications with Docker and Docker Compose PART 3 RUNNING AT SCALE WITH A CONTAINER ORCHESTRATOR 12 Understanding orchestration Docker Swarm and Kubernetes 13 Deploying distributed applications as stacks in Docker Swarm 14 Automating releases with upgrades and rollbacks 15 Configuring Docker for secure remote access and CI CD 16 Building Docker images that run anywhere Linux Windows Intel and Arm PART 4 GETTING YOUR CONTAINERS READY FOR PRODUCTION 17 Optimizing your Docker images for size speed and security 18 Application configuration management in containers 19 Writing and managing application logs with Docker 20 Controlling HTTP traffic to containers with a reverse proxy 21 Asynchronous communication with a message queue 22 Never the end

Learn Windows IIS in a Month of Lunches Jason Helmick, 2013-12-31 Summary Learn Windows IIS in a Month of Lunches is an innovative tutorial designed for busy administrators Even if you have no prior exposure to IIS you can follow the crisp explanations examples and exercises in this concise easy to read book Just set aside one hour a day lunchtime would be perfect for a month and you ll be managing securing and automating IIS administrative tasks faster than you thought possible About this Book When your website slows to a crawl or Exchange stops sending internet mail you have to get things working again Fast IIS is the communication gateway for most Microsoft servers as well as the primary technology for publishing web sites Learning to manage it effectively means you can keep your systems running smoothly and go home on time Learn Windows IIS in a Month of Lunches is an innovative tutorial designed for busy administrators Follow the crisp explanations examples and exercises in this concise easy to read book and you ll be managing securing and automating IIS faster than you thought possible You ll start with IIS fundamentals and then systematically explore web farm design website management and high availability along with practices to keep your Exchange SharePoint System Center and Lync servers running smoothly Written for anyone who needs to manage IIS whether you re an IT pro or a reluctant administrator Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications What s Inside 24 bite sized lessons with practice examples High value troubleshooting techniques No previous IIS experience assumed About the Author Jason Helmick is a professional trainer and consultant specializing in Active Directory and IIS He s the founder of the Arizona PowerShell User Group Table of Contents Before you begin Deploying the web server Exploring and launching a website Managing application pools Adding more websites to your server What every administrator should know about web applications Securing your sites and web applications Securing the server Protecting data with certificates FTP and SMTP with IIS Sharing administrative responsibilities through remote management Optimizing sites for users and search engines Building a web farm with Microsoft Network Load Balancing Building a web farm with Application Request Routing High availability for ARR using Microsoft NLB Sharing content and configuration to the web farm Sharing IIS configurations for a web farm Using the central certificate store for certificate management Web farm provisioning with the Web Farm Framework Disaster recovery for IIS The final exam Never the end IIS PowerShell cheat sheet Lab setup guide

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

Windows PowerShell Step by Step Ed Wilson, 2015-10-13 Your hands on guide to Windows PowerShell scripting fundamentals Expand your expertise and teach yourself the fundamentals of Windows PowerShell scripting including features available in Windows PowerShell 5 If you are an IT professional power user or consultant you ll get the guidance exercises and code you need to master core techniques for automating Windows setup deployment and management Discover how to Run cmdlets and command line utilities Administer Windows based servers and desktops with built in cmdlets Use providers to access external information Write and run scripts from the Windows ISE Create functions that are easy to maintain Build standardized environments with profiles Automate Windows systems with WMI CIM cmdlets and remoting Automate Active Directory Domain Services AD DS Debug scripts and handle errors Run commands that survive interruptions Use Desired State Configuration DSC to manage software services and their environments Get powerful new modules from PowerShell Gallery About You This book is for IT professionals and power users who want to get productive with Windows PowerShell including new features in Windows PowerShell 5 Windows system administrators who want to be more efficient and productive Anyone pursuing Windows PowerShell certifications No experience with Windows PowerShell or other scripting technologies necessary

Learn Python 3 the Hard Way Zed A. Shaw, 2017-06-26 You Will Learn Python 3 Zed Shaw has perfected the world's best system for learning Python 3. Follow it and you will succeed just like the millions of beginners Zed has taught to date. You bring the discipline, commitment, and persistence; the author supplies everything else. In *Learn Python 3 the Hard Way*, you'll learn Python by working through 52 brilliantly crafted exercises. Read them. Type their code precisely. No copying and pasting. Fix your mistakes. Watch the programs run. As you do, you'll learn how a computer works, what good programs look like, and how to read, write, and think about code. Zed then teaches you even more in 5 hours of video where he shows you how to break, fix, and debug your code live as he's doing the exercises. Install a complete Python environment. Organize and write code. Fix and break code. Basic mathematics. Variables. Strings and text. Interact with users. Work with files. Looping and logic. Data structures using lists and dictionaries. Program design. Object-oriented programming. Inheritance and composition. Modules, classes, and objects. Python packaging. Automated testing. Basic game development. Basic web development. It'll be hard at first. But soon you'll just get it, and that will feel great. This course will reward you for every minute you put into it. Soon you'll know one of the world's most powerful, popular programming languages. You'll be a Python programmer. This book is perfect for total beginners with zero programming experience. Junior developers who know one or two languages. Returning professionals who haven't written code in years. Seasoned professionals looking for a fast, simple crash course in Python 3.

Learn dbatools in a Month of Lunches Chrissy LeMaire, Rob Sewell, Jess Pomfret, Cláudio Silva, 2022-08-16 If you work with SQL Server dbatools is a lifesaver This book will show you how to use this free and open source PowerShell module to automate just about every SQL server task you can imagine all in just one month In Learn dbatools in a Month of Lunches you will learn how to Perform instance to instance and customized migrations Automate security audits tempdb configuration alerting and reporting Schedule and monitor PowerShell tasks in SQL Server Agent Bulk import any type of data into SQL Server Install dbatools in secure environments Written by a group of expert authors including dbatools creator Chrissy LeMaire Learn dbatools in a Month of Lunches teaches you techniques that will make you more effective and efficient than you ever thought possible In twenty eight lunchbreak lessons you ll learn the most important use cases of dbatools and the favorite functions of its core developers Stabilize and standardize your SQL server environment and simplify your tasks by building automation alerting and reporting with this powerful tool About the technology For SQL Server DBAs automation is the key to efficiency Using the open source dbatools PowerShell module you can easily execute tasks on thousands of database servers at once all from the command line dbatools gives you over 500 pre built commands with countless new options for managing SQL Server at scale There s nothing else like it About the book Learn dbatools in a Month of Lunches teaches you how to automate SQL Server using the dbatools PowerShell module Each 30 minute lesson introduces a new automation that will make your daily duties easier Following the expert advice of dbatools creator Chrissy LeMaire and other top community contributors you ll learn to script everything from backups to disaster recovery What s inside Performing instance to instance and customized migrations Automating security audits best practices and standardized configurations Administering SQL Server Agent including running PowerShell scripts effectively Bulk importing many types of data into SQL Server Executing advanced tasks and increasing efficiency for everyday administration About the reader For DBAs accidental DBAs and systems engineers who manage SQL Server About the author Chrissy LeMaire is a GitHub Star and the creator of dbatools Rob Sewell is a data engineer and a passionate automator Jess Pomfret and Cl udio Silva are data platform architects All are Microsoft MVPs Table of Contents 1 Before you begin 2 Installing dbatools 3 The dbatools lab 4 A gentle introduction to dbatools commands 5 Writing to SQL Server 6 Finding SQL Server instances on your network 7 Inventorying your SQL estate 8 Registered Servers 9 Logins and users 10 Backups 11 Restore 12 Snapshots 13 Install and update SQL Server 14 Preparing for disaster 15 Performing your first advanced SQL Server instance migration part 1 16 Performing your first advanced SQL Server instance migration part 2 17 High availability and disaster recovery 18 PowerShell and SQL Server Agent 19 SQL Server Agent administration 20 Creating and working with SQL Server Agent objects 21 Data masking 22 DevOps automation 23 Tracing SQL Server activity 24 Security and encryption 25 Data compression 26 Validating your estate with dbachecks 27 Working in the cloud 28 dbatools configurations and logging 29 Never the end

Grokking Functional Programming Michal Plachta, 2023-02-07 There's no need to fear going functional. This friendly, lively, and engaging guide is perfect for any perplexed programmer. It lays out the principles of functional programming in a simple and concise way that will help you grok what FP is really all about. In *Grokking Functional Programming*, you will learn: Designing with functions and types instead of objects; Programming with pure functions and immutable values; Writing concurrent programs using the functional style; Testing functional programs. Multiple learning approaches to help you grok each new concept. If you've ever found yourself rolling your eyes at functional programming, this is the book for you. Open up *Grokking Functional Programming* and you'll find functional ideas mapped onto what you already know as an object-oriented programmer. The book focuses on practical aspects from page one. Hands-on examples apply functional principles to everyday programming tasks like concurrency, error handling, and improving readability. Plus puzzles and exercises let you think and practice what you're learning. You'll soon reach an amazing "aha" moment and start seeing code in a completely new way. About the technology: Finally, there's an easy way to learn functional programming. This unique book starts with the familiar ideas of OOP and introduces FP step by step using relevant examples, engaging exercises, and lots of illustrations. You'll be amazed at how quickly you'll start seeing software tasks from this valuable new perspective. About the book: *Grokking Functional Programming* introduces functional programming to imperative developers. You'll start with small, comfortable coding tasks that expose basic concepts like writing pure functions and working with immutable data. Along the way, you'll learn how to write code that eliminates common bugs caused by complex distributed state. You'll also explore the FP approach to IO, concurrency, and data streaming. By the time you finish, you'll be writing clean functional code that's easy to understand, test, and maintain. What's inside: Designing with functions and types instead of objects; Programming with pure functions and immutable values; Writing concurrent programs using the functional style; Testing functional programs. About the reader: For developers who know an object-oriented language. Examples in Java and Scala. About the author: Michal Plachta is an experienced software developer who regularly speaks and writes about creating maintainable applications. Table of Contents: Part 1: The functional toolkit. 1. Learning functional programming. 2. Pure functions. 3. Immutable values. 4. Functions as values. Part 2: Functional programs. 5. Sequential programs. 6. Error handling. 7. Requirements as types. 8. IO as values. 9. Streams as values. 10. Concurrent programs. Part 3: Applied functional programming. 11. Designing functional programs. 12. Testing functional programs.

Windows PowerShell for Developers Douglas Finke, 2012-07-06 Want to perform programming tasks better, faster, simpler, and make them repeatable? Take a deep dive into Windows PowerShell and discover what this distributed automation platform can do. Whether you're a .NET developer or IT pro, this concise guide will show you how PowerShell's scripting language can help you be more productive on everyday tasks. Quickly learn how to create PowerShell scripts and embed them into your existing applications; write little languages to solve specific problems and take charge of your code. This book includes example scripts that you can easily pull apart, tweak, and then use in your own PowerShell and .NET solutions. Slice and dice text, XML, CSV, and JSON with ease. Embed PowerShell to provide scripting capabilities for your C# apps. Create GUI applications five to ten times faster with less code. Leverage PowerShell's capabilities to work with the Internet, interact with DLLs, and create objects automatically; display properties and call methods in live interactive sessions. Build domain-specific languages, DSLs, and vocabularies to express solutions more clearly. Work with Microsoft Office via the Component Object Model (COM). Discover PowerShell v3 features included with Windows 8 and Windows Server 2012.

PowerShell 7 for IT Professionals Thomas Lee, 2020-12-22 Take advantage of everything Microsoft's new PowerShell 7 has to offer PowerShell 7 for IT Pros is your guide to using PowerShell 7 the open source cross platform version of Windows PowerShell Windows IT professionals can begin setting up automation in PowerShell 7 which features many improvements over the early version of PowerShell Core and Windows PowerShell PowerShell 7 users can enjoy the high level of compatibility with the Windows PowerShell modules they rely on today This book shows IT professionals especially Windows administrators and developers how to use PowerShell 7 to engage in their most important tasks such as managing networking using AD DNS DHCP leveraging Azure and more To make it easy to learn everything PowerShell 7 has to offer this book includes robust examples each containing sample code so readers can follow along Scripts are based on PowerShell 7 running on Windows 10 19H1 or later and Windows Server 2019 Learn to navigate the PowerShell 7 administrative environment Use PowerShell 7 to automate networking Active Directory Windows storage shared data and more Run Windows Update IIS Hyper V and WMI and CIM cmdlets within PowerShell 7 Understand how to handle reporting in the new PowerShell 7 environment PowerShell 7 for IT Pros provides exclusive coverage of using PowerShell with both cloud based systems and virtualized environments Hyper V and Azure Written by PowerShell veteran Thomas Lee this is the only book you'll need to get started with PowerShell 7

Learn Windows Powershell In A Month Of Lunches Third Edition: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels enthralling the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the engaging narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Learn Windows Powershell In A Month Of Lunches Third Edition : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and suspenseful novel that will keep you guessing until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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