

learn powershell in a month of lunches pdf

learn powershell in a month of lunches pdf and unlock a powerful command-line shell and scripting language for Windows and beyond. This comprehensive guide delves into the practical application of PowerShell, focusing on achieving proficiency within a structured timeframe, often envisioned as a "month of lunches" learning sprint. We'll explore why learning PowerShell is crucial for IT professionals, system administrators, and developers, and how readily available resources, particularly the "Learn PowerShell in a Month of Lunches" PDF, can facilitate this journey. Discover the core concepts, essential commands, and scripting techniques that will transform your daily tasks, from system management to automation. Whether you're a beginner seeking to grasp fundamental concepts or an experienced user looking to deepen your expertise, this article provides a roadmap for mastering PowerShell efficiently.

Understanding the Value of Learning PowerShell

In today's IT landscape, efficiency and automation are paramount. PowerShell has emerged as a de facto standard for managing Windows environments and has expanded its reach to Linux and macOS. Learning PowerShell offers a significant advantage, empowering individuals to automate repetitive tasks, streamline complex operations, and gain deeper insights into system behavior. The ability to script allows for repeatable processes, reducing human error and freeing up valuable time for more strategic initiatives. This skill set is highly sought after by employers, making proficiency in PowerShell a valuable asset for career advancement.

The "Month of Lunches" Approach to PowerShell Mastery

"Learn PowerShell in a Month of Lunches" is a popular and effective learning methodology. It suggests dedicating short, focused bursts of time – approximately one hour per day, often during lunch breaks – to systematically acquire PowerShell skills. This approach breaks down the learning process into manageable chunks, making it less intimidating and more sustainable for busy professionals. The emphasis is on practical, hands-on learning rather than theoretical exploration. By consistently practicing commands and scripting, learners build a strong foundation and can witness tangible progress within a relatively short period.

Why This Learning Methodology Works

The "month of lunches" approach capitalizes on microlearning principles. By dividing the extensive subject matter into daily, digestible lessons, it prevents cognitive overload. The consistent, daily engagement reinforces learning and builds momentum. Furthermore, the focus on practical application means learners are immediately applying what they learn, solidifying their understanding through experience. This iterative process of learning, practicing, and applying is highly effective for skill acquisition in technical domains like PowerShell.

Accessing the "Learn PowerShell in a Month of Lunches" PDF

For many individuals embarking on their PowerShell learning journey, the "Learn PowerShell in a Month of Lunches" PDF serves as a primary resource. This digital format offers convenience and accessibility, allowing learners to study at their own pace and on their preferred devices. The PDF typically provides a structured curriculum designed to guide beginners through the core functionalities of PowerShell. It often includes practical examples, exercises, and explanations of fundamental concepts, making it an invaluable tool for self-study and guided learning.

Finding and Utilizing the PDF Effectively

Locating the official or reputable versions of the "Learn PowerShell in a Month of Lunches" PDF is the first step. Once obtained, it's crucial to approach the material systematically. Dedicate specific times for study and actively engage with the content. Don't just read; actively type out the commands, experiment with different parameters, and try to adapt the examples to your own scenarios. Many versions of the PDF include chapters or sections that build upon each other, so it's beneficial to follow the intended learning path.

Core PowerShell Concepts for Beginners

To effectively learn PowerShell, understanding its foundational concepts is essential. These concepts form the building blocks for more advanced scripting and automation. A solid grasp of these fundamentals, as presented in resources like the "Learn PowerShell in a Month of Lunches" PDF, will accelerate your learning curve and enable you to troubleshoot issues more effectively.

Cmdlets: The Building Blocks of PowerShell

Cmdlets, pronounced "command-lets," are the core commands in PowerShell. They are simple, discoverable, and follow a verb-noun naming convention (e.g., `Get-Process`, `Stop-Service`). Understanding how to find, use, and understand the output of cmdlets is fundamental. Resources often emphasize discovering cmdlets using `Get-Command` and learning about their parameters with `Get-Help`.

Objects and Pipelines: The Power of PowerShell

Unlike traditional shells that deal with text, PowerShell operates on objects. This object-oriented nature is one of its most powerful features. The pipeline (`|`) allows you to pass the output of one cmdlet as input to another, enabling complex operations to be chained together efficiently. Learning how to manipulate these objects and leverage the pipeline is key to writing effective PowerShell scripts.

Variables and Data Types

Variables are used to store information within scripts. Understanding how to declare variables, assign values, and work with different data types (strings, integers, booleans, arrays, hash tables) is crucial for creating dynamic and flexible scripts. The "Month of Lunches" approach typically introduces these early on, demonstrating their practical application.

Control Flow and Scripting Fundamentals

To move beyond simple command execution, learners need to understand control flow structures like `If` statements, `For` loops, and `ForEach` loops. These allow scripts to make decisions, repeat actions, and automate complex sequences of operations. Mastering these scripting fundamentals is where the true power of PowerShell begins to unfold.

Practical PowerShell Scripting Examples

As you progress through the "Learn PowerShell in a Month of Lunches" curriculum, practical examples are invaluable for reinforcing concepts and demonstrating real-world applications. These examples show how to combine cmdlets and scripting logic to achieve specific outcomes, moving from basic tasks to more complex automation scenarios.

Automating User Management

A common IT task is user management. PowerShell can automate the creation, modification, and deletion of user accounts in Active Directory. Examples might include scripts to create multiple users from a CSV file, reset passwords for a group of users, or disable inactive accounts, all of which can be learned through the structured approach of the PDF.

System Information Gathering

Gathering system information is critical for troubleshooting and inventory. PowerShell excels at this. Examples could include scripts to retrieve installed software, disk space usage, running services, or event logs from local or remote computers. Learning to use cmdlets like ``Get-ComputerInfo``, ``Get-Service``, and ``Get-EventLog`` becomes second nature.

File and Folder Manipulation

Managing files and folders is another area where PowerShell shines. Scripts can be developed to copy, move, rename, delete, or archive files based on specific criteria. You might learn to automate the cleanup of temporary files, organize log files, or perform batch operations on large numbers of files and directories.

Tips for Accelerating Your PowerShell Learning

While the "Month of Lunches" framework provides structure, several strategies can help you learn PowerShell even more effectively. Consistent practice, seeking out additional resources, and engaging with the PowerShell community can all contribute to faster skill acquisition and deeper understanding.

Consistent Practice and Hands-On Experience

The most critical factor in learning PowerShell is consistent, hands-on practice. Don't just read about commands; execute them. Experiment with different parameters. Break things (in a test environment, of course) and figure out how to fix them. The more you actively use PowerShell, the more intuitive it will become.

Leveraging Online Resources and Communities

Beyond the "Learn PowerShell in a Month of Lunches" PDF, a wealth of online resources exists. Official Microsoft documentation, community forums, blogs, and video tutorials can offer alternative explanations, advanced tips, and

solutions to specific problems. Engaging with communities like Reddit's r/PowerShell can provide valuable insights and support.

Building Small, Real-World Scripts

As you learn, start identifying small, repetitive tasks in your daily work that could be automated. Try to build simple PowerShell scripts to address these needs. This practical application not only reinforces what you've learned but also provides immediate value and motivation. The "Month of Lunches" can be extended with these personal projects.

Conclusion

The journey to mastering PowerShell can be efficiently undertaken by following a structured approach, such as the "Month of Lunches" methodology, often facilitated by readily available PDF resources. By focusing on core concepts like cmdlets, objects, and scripting fundamentals, and by engaging in consistent, hands-on practice with practical examples, individuals can rapidly build proficiency. The ability to automate tasks, manage systems effectively, and gain deeper control over their IT environments makes learning PowerShell a highly rewarding endeavor.

Frequently Asked Questions

What is 'Learn PowerShell in a Month of Lunches PDF' and why is it popular?

It's a highly-regarded resource, often available as a PDF, that breaks down learning PowerShell into manageable, daily lessons designed to be completed during a lunch break. Its popularity stems from its structured, beginner-friendly approach and its practical, task-oriented focus, making complex concepts accessible.

Is the 'Learn PowerShell in a Month of Lunches PDF' suitable for complete beginners with no programming experience?

Yes, absolutely. The book is specifically designed for individuals with little to no prior scripting or programming background. It starts with the very basics and gradually builds your PowerShell skills.

What kind of topics does the 'Learn PowerShell in a Month of Lunches PDF' typically cover?

It covers fundamental PowerShell concepts like cmdlets, variables, objects, pipelines, basic scripting, loops, conditional statements, working with files and folders, and interacting with system services and Active Directory.

Where can I find the 'Learn PowerShell in a Month of Lunches PDF' legally?

The official and legal way to obtain the book is to purchase it from reputable online bookstores like Amazon, Microsoft Press, or other authorized retailers. Be wary of unofficial PDF downloads as they may be pirated or outdated.

How effective is the 'month of lunches' approach for learning PowerShell?

The 'month of lunches' approach is very effective for many learners. It promotes consistent, small-scale learning, which helps with retention and avoids overwhelming beginners. The key is to dedicate that consistent time daily.

Does the 'Learn PowerShell in a Month of Lunches PDF' require any specific software to follow along?

Yes, you'll need to have PowerShell installed on your system. This is typically included with modern versions of Windows. The book will guide you on how to access and use it.

Is there a newer edition of the 'Learn PowerShell in a Month of Lunches' book available, and is the PDF likely to be from an older edition?

Yes, there are newer editions of the 'Learn PowerShell in a Month of Lunches' book. If you find a PDF, it's more likely to be from an older edition. It's always recommended to purchase the latest physical or e-book version for the most up-to-date content and features.

After completing the 'Learn PowerShell in a Month of Lunches PDF', what are the next steps for continuing my PowerShell journey?

After finishing the book, you should explore more advanced topics, practice by automating real-world tasks relevant to your job, delve into PowerShell modules, learn about remote management, and consider advanced scripting.

techniques or certifications.

Can I use the 'Learn PowerShell in a Month of Lunches PDF' to learn PowerShell on macOS or Linux?

While the core concepts of PowerShell are cross-platform, the 'Learn PowerShell in a Month of Lunches' book is primarily written with Windows environments in mind. You can still learn the fundamentals, but you might need to adapt some examples and consider PowerShell Core for macOS/Linux.

What are the benefits of learning PowerShell compared to other scripting languages, especially for system administration tasks?

PowerShell is deeply integrated with Windows and offers direct access to system objects and management interfaces (like Active Directory, Exchange, Azure). It excels at automating Windows administration tasks, making it a powerful tool for IT professionals managing Microsoft environments.

Additional Resources

Here are 9 book titles related to learning PowerShell in a month of lunches, with short descriptions:

1. Learn PowerShell in a Month of Lunches

This is the foundational book that popularized the "learn it in a month" approach for PowerShell. It's designed for beginners, breaking down complex concepts into manageable daily lessons. You'll start with the absolute basics and gradually build your skills, making it perfect for busy professionals who want to acquire PowerShell proficiency efficiently.

2. Learn PowerShell Scripting in a Month of Lunches

Building directly upon the concepts introduced in the first book, this title focuses specifically on the art of PowerShell scripting. It dives deeper into creating robust and automated solutions through practical examples and exercises. You'll learn how to write scripts that perform complex tasks, manage systems, and integrate with various technologies.

3. Learn PowerShell Advanced Scripting in a Month of Lunches

Once you've mastered the fundamentals and intermediate scripting techniques, this book will push your PowerShell skills to the next level. It explores advanced topics such as error handling, object manipulation, advanced functions, and module development. This resource is for those who want to write highly efficient, maintainable, and sophisticated PowerShell scripts.

4. Learn PowerShell with a Twist: Beyond the Basics

This book offers a fresh perspective on learning PowerShell, assuming you have some foundational knowledge. It focuses on practical, real-world

scenarios and common challenges faced by IT professionals. You'll discover clever techniques and best practices to enhance your productivity and problem-solving abilities with PowerShell.

5. PowerShell for Absolute Beginners: A Hands-On Approach

Tailored for individuals with zero prior experience in PowerShell or scripting, this guide prioritizes simplicity and immediate application. It walks you through the essential commands and concepts with clear explanations and numerous practical examples. The goal is to get you comfortable and productive with PowerShell as quickly as possible.

6. PowerShell in Practice: Real-World Automation Solutions

This title shifts the focus from pure learning to applied usage, showcasing how PowerShell can be used to solve everyday IT challenges. It provides pre-built scripts and detailed explanations for common automation tasks. You'll learn by doing, seeing how PowerShell directly addresses business needs and improves operational efficiency.

7. Mastering PowerShell: From Novice to Expert in 30 Days

Similar to the "Month of Lunches" theme, this book aims to provide a structured and accelerated learning path. It covers a broad spectrum of PowerShell topics, from fundamental cmdlets to more intricate system administration tasks. The comprehensive curriculum is designed to equip you with a solid understanding and practical command of PowerShell.

8. PowerShell for System Administrators: Automating Your Infrastructure

This book is specifically written for system administrators looking to leverage PowerShell for managing their environments. It emphasizes automation of routine tasks, server management, and deployment. You'll learn how to efficiently manage Active Directory, Windows Server, and other critical infrastructure components using PowerShell.

9. The PowerShell Cookbook: Recipes for Common Tasks

This practical guide presents PowerShell in a recipe-like format, offering solutions to a wide array of common IT administration and automation problems. Each "recipe" provides clear instructions and code examples for achieving a specific outcome. It's an excellent companion for quick problem-solving and learning practical PowerShell techniques.

[Learn Powershell In A Month Of Lunches Pdf](#)

Learn PowerShell in a Month of Lunches

Conquer Windows Administration with PowerShell – One Lunch Break at a Time!

Are you drowning in repetitive, time-consuming Windows administration tasks? Do you feel like you're spending hours on manual processes that could be automated? Are you struggling to understand the power and efficiency of PowerShell, leaving you feeling frustrated and behind?

This ebook, "Learn PowerShell in a Month of Lunches," is your shortcut to mastering this essential scripting language. Designed for busy professionals, this concise guide delivers practical, bite-sized learning sessions perfectly suited for your lunch breaks. No more late nights or weekends spent grappling with complex manuals!

Inside, you'll discover:

Author: Michael Hamilton (Experienced Systems Administrator and PowerShell Trainer)

Contents:

Introduction: What is PowerShell? Why learn it? Setting up your environment.

Chapter 1: PowerShell Basics: Navigating the console, understanding cmdlets, working with variables and data types.

Chapter 2: Working with Objects: Understanding the pipeline, filtering and manipulating objects, using common cmdlets like ``Get-ChildItem``, ``Where-Object``, and ``Sort-Object``.

Chapter 3: Scripting Fundamentals: Writing your first PowerShell script, using loops and conditional statements, error handling.

Chapter 4: Advanced Techniques: Working with remote computers, using modules and functions, creating custom cmdlets.

Chapter 5: Automation and Optimization: Automating common tasks, optimizing scripts for performance, best practices.

Conclusion: Next steps in your PowerShell journey, resources for further learning.

Learn PowerShell in a Month of Lunches: A Comprehensive Guide

(SEO Optimized Article)

Introduction: Unleashing the Power of PowerShell

PowerShell is a powerful command-line shell and scripting language developed by Microsoft. It's far more than just a simple command interpreter; it's a robust tool for automating tasks, managing systems, and interacting with almost every aspect of the Windows operating system (and increasingly, other platforms). For system administrators, IT professionals, and even power users, learning PowerShell is no longer a luxury—it's a necessity. This guide aims to provide a practical, accessible path to mastering the fundamentals within a month, utilizing short, focused learning sessions.

Why Learn PowerShell?

Automation: Automate repetitive tasks, saving time and reducing errors.

Efficiency: Manage large numbers of systems and applications quickly and easily.

Centralized Management: Manage all aspects of your Windows infrastructure from a single interface.

Enhanced Security: Implement robust security measures and manage user accounts effectively.

Problem Solving: Quickly diagnose and troubleshoot system issues.

Career Advancement: Increase your marketability and open up new career opportunities.

Chapter 1: PowerShell Basics: Your First Steps

This chapter lays the groundwork for your PowerShell journey. We'll cover the essential elements needed to comfortably navigate the PowerShell environment and begin interacting with it effectively.

1.1 Navigating the PowerShell Console

The PowerShell console is your primary interface. You'll need to become comfortable navigating directories, viewing files, and executing commands. Key commands to learn include:

``cd`` (Change Directory): Navigates to different folders. For example, ``cd C:\Users`` changes the directory to the Users folder.

``dir`` (Directory): Lists the contents of the current directory (similar to ``ls`` in Linux/macOS).

``Get-ChildItem``: A more powerful version of ``dir``, allowing for more advanced filtering and manipulation.

``Get-Location``: Displays the current directory.

1.2 Understanding Cmdlets: The Building Blocks of PowerShell

Cmdlets (pronounced "command-lets") are the fundamental commands in PowerShell. They follow a verb-noun naming convention (e.g., ``Get-Process``, ``Set-Location``, ``Stop-Service``). Understanding this convention helps you quickly predict the function of a cmdlet.

1.3 Working with Variables and Data Types

PowerShell uses variables to store information. Variables are declared using the ``$`` symbol (e.g., ``$myVariable = "Hello, world!"``). PowerShell supports various data types, including strings, integers, booleans, and objects.

Chapter 2: Working with Objects: The Heart of PowerShell

PowerShell's true power lies in its object-oriented nature. Everything in PowerShell is an object, which allows for powerful manipulation and filtering.

2.1 Understanding the Pipeline

The pipeline (`|`) is a crucial concept in PowerShell. It allows you to chain multiple cmdlets together, passing the output of one cmdlet as the input to the next. This enables complex operations with a highly readable syntax.

2.2 Filtering and Manipulating Objects

Using cmdlets like `Where-Object` (filtering based on conditions) and `Sort-Object` (sorting objects) you can easily extract specific information from large datasets.

2.3 Common Cmdlets: Get-ChildItem, Where-Object, Sort-Object

These cmdlets are essential for working with files, directories, and objects. Mastering them will dramatically improve your efficiency.

Chapter 3: Scripting Fundamentals: Automating Your Work

Scripting is where PowerShell truly shines. Automating repetitive tasks frees up your time and reduces errors.

3.1 Writing Your First PowerShell Script

PowerShell scripts are saved with the `.ps1` extension. We'll cover the basic structure of a script and how to execute it.

3.2 Loops and Conditional Statements

Loops (e.g., `for`, `foreach`, `while`) allow you to repeat actions, while conditional statements (e.g., `if`, `elseif`, `else`) enable branching logic based on conditions.

3.3 Error Handling

Robust error handling is crucial for reliable scripts. We'll cover techniques for trapping and handling errors gracefully.

Chapter 4: Advanced Techniques: Expanding Your Capabilities

This chapter delves into more advanced techniques to enhance your PowerShell skills.

4.1 Working with Remote Computers

PowerShell allows you to manage remote computers, simplifying administration of large networks.

4.2 Using Modules and Functions

Modules extend PowerShell's functionality, while functions encapsulate reusable code blocks.

4.3 Creating Custom Cmdlets

For highly specialized tasks, you can create your own cmdlets.

Chapter 5: Automation and Optimization: Refining Your Skills

This chapter focuses on best practices for automating tasks and optimizing script performance.

5.1 Automating Common Tasks

We'll explore common administrative tasks that are easily automated using PowerShell.

5.2 Optimizing Scripts for Performance

We'll discuss techniques for writing efficient and performant scripts.

5.3 Best Practices for PowerShell Scripting

Following best practices ensures your scripts are maintainable, readable, and reliable.

Conclusion: Your PowerShell Journey Continues

This guide provides a solid foundation in PowerShell. To continue your learning, explore the vast online resources, experiment with different cmdlets, and tackle increasingly complex tasks. Your journey to mastering PowerShell has just begun!

FAQs

1. What is the prerequisite for learning PowerShell? Basic computer literacy and some familiarity with command-line interfaces are helpful.
2. Is this book suitable for beginners? Absolutely! The book is designed for beginners with no prior PowerShell experience.

3. How long does it take to complete this book? A month of lunch breaks, approximately 30 minutes per day.
4. What operating system is required? Windows is required, though PowerShell Core is available for other OSes.
5. Do I need any special software? PowerShell is built into Windows.
6. What if I get stuck? The book includes troubleshooting tips, and additional resources are provided.
7. Can I use PowerShell for scripting in other environments? Yes, PowerShell Core expands PowerShell's reach to other platforms.
8. Are there any practice exercises? Each chapter includes practical examples and exercises to reinforce learning.
9. Where can I find further learning resources? The conclusion chapter lists valuable online resources and communities.

Related Articles:

1. PowerShell for Beginners: A Quick Start Guide: A concise introduction to the core concepts of PowerShell.
2. Mastering PowerShell Remoting: A deep dive into managing remote computers using PowerShell.
3. PowerShell for Active Directory Administration: Learn how to manage Active Directory using PowerShell.
4. Automating Windows Server Tasks with PowerShell: Focuses on automating common server administration tasks.
5. Advanced PowerShell Scripting Techniques: Explore more advanced concepts like regular expressions and object manipulation.
6. PowerShell and Azure Integration: Learn how to manage Azure resources using PowerShell.
7. Troubleshooting PowerShell Scripts: Covers common scripting problems and how to solve them.
8. Securing Your PowerShell Scripts: Learn best practices for securing your scripts and protecting sensitive information.
9. PowerShell for IT Professionals: A Comprehensive Guide: A more advanced guide covering a wide range of IT administration topics.

learn powershell in a month of lunches pdf: Learn PowerShell Scripting in a Month of Lunches, Second Edition James Petty, Don Jones, Jeffery Hicks, 2024-05-21 Automate complex tasks and processes with PowerShell scripts. This amazing book teaches you how to write, test, and organize high-quality, reusable scripts for Windows, Linux, and cloud-based systems. Learn PowerShell Scripting in a Month of Lunches, Second Edition takes you beyond command-line PowerShell and opens up the amazing world of scripting and automation. In just 27 bite-sized lessons, you'll learn to write scripts that can eliminate repetitive manual tasks, create custom reusable tools, and build effective pipelines and workflows. In Learn PowerShell Scripting in a Month of Lunches, Second Edition you'll learn: Setting up a reliable scripting environment Designing functions and scripts Effective pipeline usage Scripting and security Dealing with errors and bugs Source control with git Sharing and publishing scripts Professional-grade scripting practices The PowerShell language lets you write scripts to control nearly every aspect of Windows.

Just master a few straightforward scripting skills, and you'll save yourself from hours of tedious tasks. This revised second edition is fully updated to PowerShell's latest version, including hands-on examples that perfectly demonstrate modern PowerShell's cross-platform applications. About the technology You can write PowerShell scripts to automate nearly any admin task on Windows, Linux, and macOS. This book shows you how! In just 27 short lessons you can complete on your lunch break, you'll learn to create, organize, test, and share scripts and tools that will save you hours of time in your daily work. About the book Learn PowerShell Scripting in a Month of Lunches, Second Edition is a hands-on introduction to PowerShell automation and toolbuilding. Updated for the latest version of PowerShell, this thoroughly revised bestseller teaches you how to write efficient scripts, find and squash bugs, and organize your tools into libraries. Along the way, you'll even pick up tips for securing and managing Linux and macOS systems. What's inside Setting up a reliable scripting environment Designing functions and scripts Effective pipeline usage Sharing and publishing scripts About the reader Beginning to intermediate knowledge of PowerShell required. About the author James Petty is CEO of PowerShell.org and The DevOps Collective and a Microsoft MVP. Don Jones and Jeffery Hicks are the authors of the first edition of Learn PowerShell Scripting in a Month of Lunches. Table of Contents PART 1 1 Before you begin 2 Setting up your scripting environment 3 WWPd: What would PowerShell do? 4 Review: Parameter binding and the PowerShell pipeline 5 Scripting language: A crash course 6 The many forms of scripting (and which to choose) 7 Scripts and security PART 2 8 Always design first 9 Avoiding bugs: Start with a command 10 Building a basic function and script module 11 Getting started with advanced functions 12 Objects: The best kind of output 13 Using all the streams 14 Simple help: Making a comment 15 Errors and how to deal with them 16 Filling out a manifest PART 3 17 Changing your brain when it comes to scripting 18 Professional-grade scripting 19 An introduction to source control with Git 20 Pester: Your script 21 Signing your script 22 Publishing your script PART 4 23 Squashing bugs 24 Enhancing script output presentation 25 Wrapping up the .NET Framework 26 Storing data—not in Excel! 27 Never the end

learn powershell in a month of lunches pdf: [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 powershell in a month of lunches pdf: 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.

learn powershell in a month of lunches pdf: [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 Cláudio 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

learn powershell in a month of lunches pdf: [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

learn powershell in a month of lunches pdf: 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

learn powershell in a month of lunches pdf: 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 powershell in a month of lunches pdf: 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 Before you begin Creating user accounts Managing user accounts Managing groups Troubleshooting users and groups Managing computer accounts Managing organizational units PART 2 MANAGING GROUP POLICY Creating Group Policies Managing Group Policies Fine-grained password policies 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 Troubleshooting your AD Maintaining and monitoring Active Directory Future work and final exam Into the cloud

learn powershell in a month of lunches pdf: 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

learn powershell in a month of lunches pdf: 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 powershell in a month of lunches pdf: Grokking Simplicity Eric Normand, 2021-05-18 Distributed across servers, difficult to test, and resistant to modification--modern software is complex. Grokking Simplicity is a friendly, practical guide that will change the way you approach software design and development. It introduces a unique approach to functional programming that explains why certain features of software are prone to complexity, and teaches you the functional techniques you can use to simplify these systems so that they're easier to test and debug. Available in PDF (ePub, kindle, and liveBook formats coming soon). about the technology Even experienced developers struggle with software systems that sprawl across distributed servers and APIs, are filled with redundant code, and are difficult to reliably test and modify. Adopting ways of thinking derived from functional programming can help you design and refactor your codebase in ways that reduce complexity, rather than encouraging it. Grokking Simplicity lays out how to use functional programming in a professional environment to write a codebase that's easier to test and reuse, has fewer bugs, and is better at handling the asynchronous nature of distributed systems. about the book In Grokking Simplicity, you'll learn techniques and, more importantly, a mindset that will help you tackle common problems that arise when software gets complex. Veteran functional programmer Eric Normand guides you to a crystal-clear understanding of why certain features of modern software are so prone to complexity and introduces you to the functional techniques you can use to simplify these systems so that they're easier to read, test, and debug. Through hands-on examples, exercises, and numerous self-assessments, you'll learn to organize your code for maximum reusability and internalize methods to keep unwanted complexity out of your codebase. Regardless of the language you're using, the ways of thinking in this book will help recognize problematic code and tame even the most complex software. what's inside Apply functional programming principles to reduce codebase complexity Work with data transformation pipelines for code that's easier to test and reuse Tools for modeling time to simplify asynchrony 60 exercises and 100 questions to test your knowledge about the reader For experienced programmers. Examples are in JavaScript. about the author Eric Normand has been a functional programmer since 2001 and has been teaching functional programming online and in person since 2007. Visit LispCast.com to see more of his credentials.

learn powershell in a month of lunches pdf: Learn System Center Configuration

Manager in a Month of Lunches James Bannan, 2016-06-26 Summary Learn System Center Configuration Manager in a Month of Lunches is a super-practical guide to Microsoft System Center Configuration Manager. In this book, you'll cut to the chase and learn the administrative procedures and techniques that will keep your systems humming smoothly. 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. About the Technology Businesses rely on a complex patchwork of client computers, physical and virtual servers, middleware, mobile devices, and cloud services. Microsoft System Center Configuration Manager (SCCM) sits in the middle of this mix, providing a single administrative control center to deploy and manage Windows servers and applications across your entire infrastructure, including cross-platform management of Mac OS X, Linux, and UNIX. To get up to speed with the day-to-day tasks of managing a system with ConfigMgr, all you need is this book—and a quiet place to eat your lunch. About the Book Learn System Center Configuration Manager in a Month of Lunches is a super-practical guide to Microsoft System Center Configuration Manager. In this book, you'll cut to the chase and learn the administrative procedures and techniques that will keep your systems humming smoothly. Whether you're a new sysadmin or you already understand the inner workings of Active Directory and Windows Server, you'll be productive immediately as you work through the 22 self-contained lessons in this handy tutorial. What's Inside Covers the latest build of Configuration Manager How to simplify updates, operating system deployment, and reporting Cross-platform and mobile management including Linux, OS X, and Windows Smart application delivery About the Reader No prior experience with System Center Configuration Manager needed. About the Author James Bannan is a Cloud and Datacenter Management MVP based in Australia. Table of Contents Before you begin Setting up your lab environment Making ConfigMgr aware of your environment Managing ConfigMgr devices and users Organizing devices and users Configuring ConfigMgr clients Creating and configuring applications with the AppModel Deploying applications and packages to ConfigMgr clients Ensuring that ConfigMgr clients can access content Keeping ConfigMgr clients patched Preparing to deploy Windows Deploying Windows Advanced deployment of Windows with ConfigMgr and MDT Managing Linux clients Deploying to Linux and Mac clients Managing anti-malware with ConfigMgr Making sure clients are healthy Reporting in ConfigMgr Keeping an eye on your clients What to do when things go wrong Securing ConfigMgr All engines full steam ahead

learn powershell in a month of lunches pdf: 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 powershell in a month of lunches pdf: PowerShell Cookbook Lee Holmes, 2021-06-16 How do you use PowerShell to navigate the filesystem, manage files and folders, or retrieve a web page? This introduction to the PowerShell language and scripting environment

provides more than 400 task-oriented recipes to help you solve all kinds of problems. Intermediate to advanced system administrators will find more than 100 tried-and-tested scripts they can copy and use immediately. Updated for PowerShell 5.1 and Open Source PowerShell up to 7.0 and beyond, this comprehensive cookbook includes hands-on recipes for common tasks and administrative jobs that you can apply whether you're on the client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including regular expressions, the XPath language, format specifiers, and frequently referenced .NET, COM, and WMI classes. Learn how to use PowerShell on Windows 10 and Windows Server 2019 Tour PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting Master fundamentals such as the interactive shell, pipeline, and object concepts Perform common tasks that involve working with files, internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory and the filesystem

learn powershell in a month of lunches pdf: Windows Server 2019 & PowerShell

All-in-One For Dummies Sara Perrott, 2019-04-11 Your one-stop reference for Windows Server 2019 and PowerShell know-how Windows Server 2019 & PowerShell All-in-One For Dummies offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this book has you covered.

learn powershell in a month of lunches pdf: 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 powershell in a month of lunches pdf: Jenkins 2: Up and Running Brent Laster, 2018-05-02 Design, implement, and execute continuous delivery pipelines with a level of flexibility, control, and ease of maintenance that was not possible with Jenkins before. With this practical book, build administrators, developers, testers, and other professionals will learn how the features in Jenkins 2 let you define pipelines as code, leverage integration with other key technologies, and create automated, reliable pipelines to simplify and accelerate your DevOps environments. Author Brent Laster shows you how Jenkins 2 is significantly different from the more traditional, web-only

versions of this popular open source automation platform. If you're familiar with Jenkins and want to take advantage of the new technologies to transform your legacy pipelines or build new modern, automated continuous delivery environments, this is your book. Create continuous delivery pipelines as code with the Jenkins domain-specific language Get practical guidance on how to migrate existing jobs and pipelines Harness best practices and new methods for controlling access and security Explore the structure, implementation, and use of shared pipeline libraries Learn the differences between declarative syntax and scripted syntax Leverage new and existing project types in Jenkins Understand and use the new Blue Ocean graphical interface Take advantage of the capabilities of the underlying OS in your pipeline Integrate analysis tools, artifact management, and containers

learn powershell in a month of lunches pdf: Windows PowerShell 2 For Dummies Steve Seguis, 2009-08-10 Prepare for the future of Microsoft automation with this no-nonsense guide Windows PowerShell 2 is the scripting language that enables automation within the Windows operating system. Packed with powerful new features, this latest version is complex, and Windows PowerShell 2 For Dummies is the perfect guide to help system administrators get up to speed. Written by a Microsoft MVP with direct access to the program managers and developers, this book covers every new feature of Windows PowerShell 2 in a friendly, easy-to-follow format. Windows PowerShell 2 is the updated scripting language that enables system administrators to automate Windows operating systems System administrators with limited scripting experience will find this book helps them learn the fundamentals of Windows PowerShell 2 quickly and easily Translates the jargon and complex syntax of Windows PowerShell 2 Covers script debugging improvements, the ability to invoke commands remotely, and the new user interface Uses real-world applications to clarify the theory, fundamentals, and techniques of the scripting language Written by a Microsoft MVP with direct access to the developers of Windows PowerShell 2 Windows PowerShell 2 For Dummies makes this tool easily accessible to administrators of every experience level.

learn powershell in a month of lunches pdf: The Rust Programming Language (Covers Rust 2018) Steve Klabnik, Carol Nichols, 2019-09-03 The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: Ownership and borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing, error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

learn powershell in a month of lunches pdf: Training Guide Mitch Tulloch, 2014 Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on deploying and managing core infrastructure services in Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing core infrastructure services Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft

Certification exams such as 70-410 Topics include: Preparing for Windows Server 2012 R2
Deploying servers Server remote management New Windows PowerShell capabilities Deploying
domain controllers Active Directory administration Network administration Advanced networking
capabilities

learn powershell in a month of lunches pdf: Learn AppleScript Hamish Sanderson, Hanaan Rosenthal, Ian Piper, Barry Wainwright, Emmanuel Levy, Harald Monihart, Craig Williams, Shane Stanley, 2010-07-10 AppleScript is an English-like, easy-to-understand scripting language built into every Mac. AppleScript can automate hundreds of AppleScript-able applications, performing tasks both large and small, complex and simple. Learn AppleScript: The Comprehensive Guide to Scripting and Automation on Mac OS X, Third Edition has been completely updated for Mac OS X Snow Leopard. It's all here, with an emphasis on practical information that will help you solve any automation problem—from the most mundane repetitive tasks to highly integrated workflows of complex systems. Friendly enough for beginners, detailed enough for advanced AppleScripters Includes major contributions from expert AppleScripters: Emmanuel Levy, Harald Monihart, Ian Piper, Shane Stanley, Barry Wainwright, Craig Williams, and foreword by AppleScript inventor, William Cook

learn powershell in a month of lunches pdf: ASP.NET Core Application Development James Chambers, David Paquette, Simon Timms, 2016-11-29 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through four complete sprints, this book takes you through every step needed to build brand new cross-platform web apps with ASP.NET Core, and make them available on the Internet. You won't just master Microsoft's revolutionary open source ASP.NET Core technology: you'll learn how to integrate the immense power of MVC, Docker, Azure Web Apps, Visual Studio and Visual Studio Code, C#, JavaScript, TypeScript, and Entity Framework. Working through the authors' carefully designed sprints, you'll start with a blank canvas, move through software architecture and design, adjusting to user feedback, recovering from mistakes, builds, testing, deployment, maintenance, refactoring, and more. Along the way, you'll learn techniques for delivering state-of-the-art software to users more rapidly and repeatably than ever before.

learn powershell in a month of lunches pdf: 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 powershell in a month of lunches pdf: 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 powershell in a month of lunches pdf: Java Persistence with Hibernate Gary Gregory, Christian Bauer, 2015-10-27 Summary Java Persistence with Hibernate, Second Edition explores Hibernate by developing an application that ties together hundreds of individual examples. In this revised edition, authors Christian Bauer, Gavin King, and Gary Gregory cover Hibernate 5 in detail with the Java Persistence 2.1 standard (JSR 338). All examples have been updated for the latest Hibernate and Java EE specification versions. About the Technology Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. Persistence—the ability of data to outlive an instance of a program—is central to modern applications. Hibernate, the most popular Java persistence tool, offers automatic and transparent object/relational mapping, making it a snap to work with SQL databases in Java applications. About the Book Java Persistence with Hibernate, Second Edition explores Hibernate by developing an application that ties together hundreds of individual examples. You'll immediately dig into the rich programming model of Hibernate, working through mappings, queries, fetching strategies, transactions, conversations, caching, and more. Along the way you'll find a well-illustrated discussion of best practices in database design and optimization techniques. In this revised edition, authors Christian Bauer, Gavin King, and Gary Gregory cover Hibernate 5 in detail with the Java Persistence 2.1 standard (JSR 338). All examples have been updated for the latest Hibernate and Java EE specification versions. What's Inside Object/relational mapping concepts Efficient database application design Comprehensive Hibernate and Java Persistence reference Integration of Java Persistence with EJB, CDI, JSF, and JAX-RS * Unmatched breadth and depth About the Reader The book assumes a working knowledge of Java. About the Authors Christian Bauer is a member of the Hibernate developer team and a trainer and consultant. Gavin King is the founder of the Hibernate project and a member of the Java Persistence expert group (JSR 220). Gary Gregory is a principal software engineer working on application servers and legacy integration. Table of Contents PART 1 GETTING STARTED WITH ORM Understanding object/relational persistence Starting a project Domain models and metadata PART 2 MAPPING STRATEGIES Mapping persistent classes Mapping value types Mapping inheritance Mapping collections and entity associations Advanced entity association mappings Complex and legacy schemas PART 3 TRANSACTIONAL DATA PROCESSING Managing data Transactions and concurrency Fetch plans, strategies, and profiles Filtering data PART 4 WRITING QUERIES Creating and executing queries The query languages Advanced query options Customizing SQL

learn powershell in a month of lunches pdf: Camel in Action Claus Ibsen, Jonathan Anstey, 2018-02-02 Summary Camel in Action, Second Edition is the most complete Camel book on the market. Written by core developers of Camel and the authors of the highly acclaimed first edition, this book distills their experience and practical insights so that you can tackle integration tasks like a pro. Forewords by James Strachan and Dr. Mark Little Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Apache Camel is a Java framework that implements enterprise integration patterns (EIPs) and comes with over 200 adapters to third-party systems. A concise DSL lets you build integration logic into your app with just a few lines of Java or XML. By using Camel, you benefit from the testing and experience of a large and vibrant open source community. About the Book Camel in Action, Second Edition is the definitive guide to the Camel framework. It starts with core concepts like sending, receiving, routing, and transforming data. It then goes in depth on many topics such as how to develop, debug, test, deal with errors, secure, scale, cluster, deploy, and monitor your Camel applications. The book also discusses how to run Camel with microservices, reactive systems, containers, and in the cloud. What's Inside Coverage of all relevant EIPs Camel microservices with

Spring Boot Camel on Docker and Kubernetes Error handling, testing, security, clustering, monitoring, and deployment Hundreds of examples in Java and XML About the Reader Readers should be familiar with Java. This book is accessible to beginners and invaluable to experts. About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and integration. He has worked on Apache Camel for the last nine years where he heads the project. Claus lives in Denmark. Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor. He lives in Newfoundland, Canada. Table of Contents Part 1 - First steps Meeting Camel Routing with Camel Part 2 - Core Camel Transforming data with Camel Using beans with Camel Enterprise integration patterns Using components Part 3 - Developing and testing Microservices Developing Camel projects Testing RESTful web services Part 4 - Going further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 - Running and managing Camel Running and deploying Camel Management and monitoring Part 6 - Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at <https://www.manning.com/books/camel-in-action-second-edition> and in electronic versions of this book: Reactive Camel Camel and the IoT by Henryk Konsek

learn powershell in a month of lunches pdf: Learn Linux in a Month of Lunches Steven Ovidia, 2016-11-17 Summary Learn Linux in a Month of Lunches shows you how to install and use Linux for all the things you do with your OS, like connecting to a network, installing software, and securing your system. Whether you're just curious about Linux or have to get up and running for your job, you'll appreciate how this book concentrates on the tasks you need to know how to do in 23 easy lessons. About the Technology If you've only used Windows or Mac OS X, you may be daunted by the Linux operating system. And yet learning Linux doesn't have to be hard, and the payoff is great. Linux is secure, flexible, and free. It's less susceptible to malicious attacks, and when it is attacked, patches are available quickly. If you don't like the way it looks or behaves, you can change it. And best of all, Linux allows users access to different desktop interfaces and loads of software, almost all of it completely free. About the Book Learn Linux in a Month of Lunches shows you how to install and use Linux for all the things you do with your OS, like connecting to a network, installing software, and securing your system. Whether you're just curious about Linux or need it for your job, you'll appreciate how this book focuses on just the tasks you need to learn. In easy-to-follow lessons designed to take an hour or less, you'll learn how to use the command line, along with practical topics like installing software, customizing your desktop, printing, and even basic networking. You'll find a road map to the commands and processes you need to be instantly productive. What's Inside Master the command line Learn about file systems Understand desktop environments Go from Linux novice to expert in just one month About the Reader This book is for anyone looking to learn how to use Linux. No previous Linux experience required. About the Author Steven Ovidia is a professor and librarian at LaGuardia Community College, CUNY. He curates The Linux Setup, a large collection of interviews with desktop Linux users, and writes for assorted library science journals. Table of Contents PART 1 - GETTING LINUX UP AND RUNNING Before you begin Getting to know Linux Installing Linux Getting to know your system Desktop environments Navigating your desktop PART 2 - A HOME OFFICE IN LINUX Installing software An introduction to Linux home/office software Text files and editors Working with files and folders on the command line Working with common command-line applications, part 1 Working with common command-line applications, part 2 Using the command line productively Explaining the Linux filesystem hierarchy Windows programs in Linux Establishing a workflow PART 3 - HOME SYSTEM ADMIN ON LINUX An in-depth look at package management and maintenance Updating the operating system Linux security Connecting to other computers Printing Version control for non-programmers Never the end

learn powershell in a month of lunches pdf: Getting Started with PowerShell Michael Shepard, 2015-08-27 Learn the fundamentals of PowerShell to build reusable scripts and functions to automate administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with

cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to verify your installed version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots.

learn powershell in a month of lunches pdf: Learn Cisco Network Administration in a Month of Lunches Ben Piper, 2017-05-01 Summary Learn Cisco Network Administration in a Month of Lunches is a tutorial designed for beginners who want to learn how to administer Cisco switches and routers. Just set aside one hour a day (lunchtime would be perfect) for a month, and you'll start learning practical Cisco Network administration skills faster than you ever thought possible. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Cisco's ultrareliable routers and switches are the backbone of millions of networks, but set and forget is not an acceptable attitude. Fortunately, you don't have to be an old-time administrator to set up and maintain a Cisco-based network. With a handful of techniques, a little practice, and this book, you can keep your system in top shape. About the Book Learn Cisco Network Administration in a Month of Lunches is designed for occasional and full-time network administrators using Cisco hardware. In 22 bite-sized lessons, you'll learn practical techniques for setting up a Cisco network and making sure that it never fails. Real-world labs start with configuring your first switch and guide you through essential commands, protocols, dynamic routing tricks, and more. What's Inside Understand your Cisco network, including the difference between routers and switches Configure VLANs and VLAN trunks Secure your network Connect and configure routers and switches Establish good maintenance habits About the Reader This book is written for readers with no previous experience with Cisco networking. About the Author Ben Piper is an IT consultant who holds numerous Cisco, Citrix, and Microsoft certifications including the Cisco CCNA and CCNP. He has created many video courses on networking, Cisco CCNP certification, Puppet, and Windows Server Administration. Table of Contents Before you begin What is a Cisco network? A crash course on Cisco's Internetwork Operating System Managing switch ports Securing ports by using the Port Security feature Managing virtual LANs (VLANs) Breaking the VLAN barrier by using switched virtual interfaces IP address assignment by using Dynamic Host

Configuration Protocol
Securing the network by using IP access control lists
Connecting switches using trunk links
Automatically configuring VLANs using the VLAN Trunking Protocol
Protecting against bridging loops by using the Spanning Tree Protocol
Optimizing network performance by using port channels
Making the network scalable by connecting routers and switches together
Manually directing traffic using the IP routing table
A dynamic routing protocols crash course
Tracking down devices
Securing Cisco devices
Facilitating troubleshooting using logging and debugging
Recovering from disaster
Performance and health checklist
Next steps

learn powershell in a month of lunches pdf: PowerShell and WMI Richard Siddaway, 2012-04-29
Summary PowerShell and WMI is an example-driven guide for administrators managing networks of Windows servers and desktops. With 150 practical examples, including ready-to-reuse scripts and techniques, you'll learn the ins and outs of automating WMI via PowerShell v3. You'll also find deep coverage of all aspects of Windows administration, including IIS, DNS and Hyper-V. About the Technology WMI, on its own, is simply a collection of Windows management facilities. Paired with PowerShell, however, WMI becomes a brilliant toolset for automating servers, networks, and remote Windows computers. About the Book PowerShell and WMI is an industrial-strength guide for administrators of Windows networks, servers, and desktops. You'll start with practical overviews of PowerShell and of WMI. Then you'll explore 150 specific examples—all with ready-to-use scripts—designed to simplify your day-to-day system management. Each tested technique is configured to load as part of a PowerShell module. A set of handy appendixes includes references for PowerShell and WMI. Prior exposure to PowerShell and WMI is helpful but not required. 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. What's Inside Managing Windows, IIS, and Hyper-V Remote desktops and devices Logs, jobs, and performance New PowerShell v3 WMI functionality ===== Table of Contents PART 1 TOOLS OF THE TRADE Solving administrative challenges Using PowerShell WMI in depth Best practices and optimization PART 2 WMI IN THE ENTERPRISE? System documentation Disk systems Registry administration Filesystem administration Services and processes Printers Configuring network adapters Managing IIS Configuring a server Users and security Logs, jobs, and performance Administering Hyper-V with PowerShell and WMI PART 3 THE FUTURE: POWERSHELL V3 AND WMI WMI over WSMAN Your own WMI cmdlets CIM cmdlets and sessions

learn powershell in a month of lunches pdf: PowerShell and Python Together Chet Hosmer, 2019-03-30
Bring together the Python programming language and Microsoft's PowerShell to address digital investigations and create state-of-the-art solutions for administrators, IT personnel, cyber response teams, and forensic investigators. You will learn how to join PowerShell's robust set of commands and access to the internals of both the MS Windows desktop and enterprise devices and Python's rich scripting environment allowing for the rapid development of new tools for investigation, automation, and deep analysis. PowerShell and Python Together takes a practical approach that provides an entry point and level playing field for a wide range of individuals, small companies, researchers, academics, students, and hobbyists to participate. What You'll Learn Leverage the internals of PowerShell for: digital investigation, incident response, and forensics Leverage Python to exploit already existing PowerShell CmdLets and aliases to build new automation and analysis capabilities Create combined PowerShell and Python applications that provide: rapid response capabilities to cybersecurity events, assistance in the precipitous collection of critical evidence (from the desktop and enterprise), and the ability to analyze, reason about, and respond to events and evidence collected across the enterprise Who This Book Is For System administrators, IT personnel, incident response teams, forensic investigators, professors teaching in undergraduate and graduate programs in cybersecurity, students in cybersecurity and computer science programs, and software developers and engineers developing new cybersecurity defenses

learn powershell in a month of lunches pdf: Building Better PowerShell Code Adam Bertram, 2020-10-20
Learn to write better PowerShell code via short, example-driven tips. This book covers tips to make your PowerShell scripts faster and easier to read all while following proven best

practices. Written by a six-time Microsoft MVP and one of the first Microsoft PowerShell MVPs with over a decade of PowerShell experience, *Building Better PowerShell Code* gives you easily digestible tips you can begin using immediately. The book starts with an overview of some of the most important tips the author can muster which segues into a deeper dive with dozens of examples throughout the book. It takes you through tips such as using community modules, writing better comments, thinking of PowerShell functions as building blocks, and more. You will also see how to use parameters the right way and how to create simple logging code to easily record script activity. You will learn not only how to write better code, but also how to implement some mindset tricks, such as being explicit and specific with code and how to write code that reads well. You'll get into error handling and also how to make your scripts more secure. Finally, you'll examine the concept of building PowerShell tools and how to build scripts for speed. Other tips and best practices include: Building Pester tests Improving performance through parallel processing Writing cross-platform scripts Using filtering properly After reading this book and applying these tips, you will have an expert coding mindset and be able to build PowerShell code that's efficient, readable, and compliant with many best practices. What You Will Learn Implement error handling Create a logging function Use regular expressions to search strings Implement parallel processing Who This Book Is For PowerShell script developers.

learn powershell in a month of lunches pdf: Kanban in Action Joakim Sunden, Marcus Hammarberg, 2014-02-18 Summary Kanban in Action is a down-to-earth, no-frills, get-to-know-the-ropes introduction to kanban. It's based on the real-world experience and observations from two kanban coaches who have introduced this process to dozens of teams. You'll learn the principles of why kanban works, as well as nitty-gritty details like how to use different color stickies on a kanban board to help you organize and track your work items. About the Book Too much work and too little time? If this is daily life for your team, you need kanban, a lean knowledge-management method designed to involve all team members in continuous improvement of your process. Kanban in Action is a practical introduction to kanban. Written by two kanban coaches who have taught the method to dozens of teams, the book covers techniques for planning and forecasting, establishing meaningful metrics, visualizing queues and bottlenecks, and constructing and using a kanban board. Written for all members of the development team, including leaders, coders, and business stakeholders. No experience with kanban is required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside How to focus on work in process and finish faster Examples of successful implementations How team members can make informed decisions About the Authors Marcus Hammarberg is a kanban coach and software developer with experience in BDD, TDD, Specification by Example, Scrum, and XP. Joakim Sundén is an agile coach at Spotify who cofounded the first kanban user groups in Europe. Table of Contents PART 1 LEARNING KANBAN Team Kanbaneros gets started PART 2 UNDERSTANDING KANBAN Kanban principles Visualizing your work Work items Work in process Limiting work in process Managing flow PART 3 ADVANCED KANBAN Classes of service Planning and estimating Process improvement Using metrics to guide improvements Kanban pitfalls Teaching kanban through games

learn powershell in a month of lunches pdf: Windows PowerShell 3.0 First Steps Ed Wilson, 2013-07-15 Get started with this powerful Windows administration tool Automate Windows administration tasks with ease by learning the fundamentals of Windows PowerShell 3.0. Led by a Windows PowerShell expert, you'll learn must-know concepts and techniques through easy-to-follow explanations, examples, and exercises. Once you complete this practical introduction, you can go deeper into the Windows PowerShell command line interface and scripting language with Windows PowerShell 3.0 Step by Step. Discover how to: Create effective Windows PowerShell commands with one line of code Apply Windows PowerShell commands across several Windows platforms Identify missing hotfixes and service packs with a single command Sort, group, and filter data using the Windows PowerShell pipeline Create users, groups, and organizational units in Active Directory Add computers to a domain or workgroup with a single line of code Run Windows PowerShell commands

on multiple remote computers Unleash the power of scripting with Windows Management Instrumentation (WMI)

learn powershell in a month of lunches pdf: IText in Action Bruno Lowagie, 2007 Developers looking to enhance Web and other applications with dynamic PDF document generation and/or manipulation will find this book unique in content and readability.

learn powershell in a month of lunches pdf: Active Directory Brian Desmond, Joe Richards, Robbie Allen, Alistair G. Lowe-Norris, 2013-04-11 Organize your network resources by learning how to design, manage, and maintain Active Directory. Updated to cover Windows Server 2012, the fifth edition of this bestselling book gives you a thorough grounding in Microsoft's network directory service by explaining concepts in an easy-to-understand, narrative style. You'll negotiate a maze of technologies for deploying a scalable and reliable AD infrastructure, with new chapters on management tools, searching the AD database, authentication and security protocols, and Active Directory Federation Services (ADFS). This book provides real-world scenarios that let you apply what you've learned—ideal whether you're a network administrator for a small business or a multinational enterprise. Upgrade Active Directory to Windows Server 2012 Learn the fundamentals, including how AD stores objects Use the AD Administrative Center and other management tools Learn to administer AD with Windows PowerShell Search and gather AD data, using the LDAP query syntax Understand how Group Policy functions Design a new Active Directory forest Examine the Kerberos security protocol Get a detailed look at the AD replication process

learn powershell in a month of lunches pdf: **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 PowerShell7 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 powershell in a month of lunches pdf: *Writing Unleashed* Sybil Priebe, Dana Anderson, 2017 Welcome to Writing Unleashed, designed for use as a textbook in first-year college composition programs, written as an extremely brief guide for students, jam-packed with teachers' voices, students' voices, and engineered for fun.--Foreword.

learn powershell in a month of lunches pdf: **PowerShell Cookbook** Lee Holmes, 2021-08-17 How do you use PowerShell to navigate the filesystem, manage files and folders, or retrieve a web page? This introduction to the PowerShell language and scripting environment provides more than 400 task-oriented recipes to help you solve all kinds of problems. Intermediate to advanced system administrators will find more than 100 tried-and-tested scripts they can copy and use immediately. Updated for PowerShell 5, Open Source PowerShell up to 7 and beyond, this comprehensive cookbook includes hands-on recipes for common tasks and administrative jobs that you can apply whether you're on the client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including format specifiers and frequently referenced registry keys to selected .NET, COM, and WMI classes. Learn how to use

PowerShell on Windows 10 and Windows Server 2019 Tour PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting Master fundamentals such as the interactive shell, pipeline, and object concepts Perform common tasks that involve working with files, Internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory and the filesystem

learn powershell in a month of lunches pdf: Windows PowerShell 3.0 Step by Step Ed Wilson, 2013 Provides step-by-step instructions on automating Windows administration tasks using Windows PowerShell 3.0.

Related Articles

- [justification letter template](#)
- [kleinberg and tardos algorithm design pdf](#)
- [lean startup pdf](#)

[Back to Home](#)