

Pro Powershell For Amazon Web Services Devops For The Aws Cloud Professional Apress

Pro PowerShell for Amazon Web Services is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads in the Amazon Elastic Cloud Compute (EC2) cloud service. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. This book is a resource for using Microsoft's powerful scripting language, PowerShell, to create, host, manage, and administer workloads using a service widely recognized as the industry leader in cloud computing. Inside, find scripts to create and manage virtual machines, provision storage, configure networks with agility, and more--all using your preferred Windows scripting language. Use your PowerShell knowledge to harness the power of Amazon EC2 today! What you'll learn

- Create, manage, and terminate Windows servers in the cloud
- Manage storage options including backup and recovery
- Configure a virtual network including subnets and route tables
- Secure your servers using security groups and access control lists
- Use Auto Scaling to respond to changing conditions
- Deploy SQL Server using Relational Database Service
- Use Simple Storage Service (S3) to reliably store and archive data
- Control access to resources using Identity and Access Management (IAM)

Who this book is for
Pro PowerShell for Amazon Web Services is for the intermediate to advanced Windows professional who is ready to make the leap to the Amazon cloud.

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Build, manage, and control an open hybrid cloud infrastructure using Red Hat CloudForms

About This Book Understand the infrastructure management capabilities through monitoring and tracking techniques Control the hybrid cloud infrastructure using policies and define actions based on events and conditions Learn to view and use trends in the hybrid setup to perform capacity planning and optimization Who This Book Is For If you are an existing Red Hat administrator who is new to Red Hat Cloud Infrastructure and would like to manage and deploy Hybrid clouds, then this book is for you. Red Hat Linux administration experience is assumed. What You Will Learn Install and configure Red Hat CloudForms 3.1 in the Red Hat Enterprise Linux OpenStack platform Add Amazon EC2 and OpenStack as Cloud providers and adding VMware as an infrastructure provider Provision an EC2 instance Manage lifecycle of virtual machines and instances Create custom domains, namespaces, classes, schemas, instances, and invoke automation workflows Monitor and gather intelligence information about the Hybrid Cloud environment Get to know about supported APIs that can be used to integrate third-party systems with Red Hat CloudForms In Detail The increasing adoption of the Cloud has led to enterprises having a heterogeneous IT environment that consists of both private and

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public cloud infrastructures, and in most cases existing virtualized infrastructures as well. As building and managing such a diverse IT infrastructure is a major challenges, Red Hat CloudForms provides a unified, consistent, and comprehensive management platform. With features like cloud intelligence dashboard, self-service portal, lifecycle management, policy-based governance, quotas, capacity management, monitoring and reporting, Red Hat CloudForms lets you manage your hybrid cloud infrastructure from a single pane of glass. This book will equip you with a hands-on approach on how to build a hybrid cloud environment and then manage, control, and gain operational insights into it. The book starts by showing you how to install and configure Red Hat CloudForms, and add infrastructure and cloud providers to build the hybrid cloud environment. Next, you will learn to provision virtual machines and instances to these platform providers, and manage and control the lifecycle of these resources. You will also get to know about automating provisioning. Moving on, you'll get to grips with the management of resources using policies, events, conditions, and actions. You'll also learn to monitor these resources from a single pane of glass. Finally, the book covers viewing capacity and utilization trends to optimize the overall hybrid cloud infrastructure, and also introduces you to supported APIs. By end of the book, you will be able to deploy and use Red Hat CloudForms. Style and approach This book is an easy-to-follow guide that explains all topics in a sequential manner, building upon each other to finally create and manage the Hybrid Cloud environment.

Become an efficient command-line expert by harnessing the power of the new Microsoft Windows Terminal, and learn time-saving tricks for PowerShell, WSL2, and more Key Features: Customize and optimize your Windows Terminal and its shells Work effectively on

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the command line with split panes, hotkeys, and automation Use PowerShell and WSL2 efficiently to build, test, and deploy applications Book Description: Windows Terminal is a new and open-source command-line application for Windows 10, built for the Command Prompt, PowerShell, Windows Subsystem for Linux, and more. It's fast, modern, and configurable thanks to its GPU-accelerated rendering, excellent UTF-8 support, and JSON-based configurability, and this book can help you learn how to leverage these features. You'll start by learning the benefits of Windows Terminal and its open-source development, as well as how to use the built-in tabs, panes, and key bindings to build your own efficient terminal workflows. After you've mastered Windows Terminal, this book shows how to use and configure PowerShell Core and the Windows Subsystem for Linux within Windows Terminal. You'll maximize your productivity using powerful tools such as PSReadLine for PowerShell and ZSH on Linux, and discover useful tips and tricks for common developer tools like Git and SSH. Finally, you'll see how Windows Terminal can be used in common development and DevOps tasks, such as developing frontend JavaScript applications and backend REST APIs, and managing cloud-based systems like Amazon Web Services (AWS), Microsoft Azure, and Google Cloud. By the end of this book, you'll not only be well-versed with Windows Terminal, but also have learned how to effectively use shells like PowerShell Core and ZSH to become proficient at the command line. What You Will Learn: Install, update, and use Windows Terminal and its preview version Customize your Windows Terminal to be both visually appealing and functional Enable and effectively use the latest versions of PowerShell Core and Windows Subsystem for Linux Install and configure time-saving tools for the command line Work efficiently with common developer tools such as Git and SSH Build, deploy, and manage

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apps in the cloud using Windows Terminal Use Linux tools from Windows with ease Who this book is for: This book is for developers, DevOps engineers, and sysadmins who want to become advanced command-line power users. Whether you're new to the command line or you already use Windows PowerShell every day, this book will have something for you.

Pro PowerShell for Amazon Web Services, Second Edition

Amazon Web Services (AWS) is the leading public cloud platform. In this book, you will learn to use Microsoft PowerShell to create, host, manage, and administer workloads using AWS. -- Are you interested in learning to code but you feel the process is too hard for you? Do you get confused easily when learning to code and you need an easy way out? Or have you heard about the usefulness of Powershell and you feel you need to learn it? If your answer is yes to any of these questions then you really need this book. This book teaches Powershell in a way no other one can. It lets you understand fully what Powershell entails and it even goes as far as teaching you about its history. The teachings are done in a step by step procedures making it easy for those without any scripting or programming experience to catch-up and with steady practice they can be a master in it too. For years now Powershell has been dominating the programming life because of its usefulness and wide application. It's a decent shell-scripting language that combines command-line speed, the flexibility of scripting, and the power of a GUI-based admin tool to perform different user's tasks. All the server products that Microsoft is producing now can be managed through PowerShell so it's a must-learn language for every programmer out there, but the question remains, how can you master such an important language? This powerful book is the answer. Here are some of the reasons why you shouldn't think twice before purchasing this book; **PROPER UNDERSTANDING OF WHAT**

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POWERSHELL ENTAILS: This book gives you a clear and thorough breakdown of what Powershell entails. It goes as far as giving you its history and various Powershell data types. It's believed that you can't fully understand a program if you don't know its origin and importance and this epic book teaches you all that. **STEP-BY-STEP GUIDE:** Without question, the best way to teach is through step by step procedures and that's exactly what this authentic book does. It features clear representations arranged in step-by-step procedures on what to do each time you want to apply a specific command, making it super easy to learn Powershell and with frequent practice, you would become a pro in no time. **NO PROGRAMMING OR SCRIPTING EXPERIENCE NEEDED:** Unlike some other books out there, you need zero knowledge on programming or scripting in other to master Powershell. The language used is in a very simple tone yet informational and helpful. You don't need to stress yourself with advanced words in other books when you can learn the same thing here and even more in a basic language. **NEW TECHNIQUES FOR BEGINNERS TO TRY:** There are more techniques and procedures in Powershell than you can ever imagine. With just a single line of a command, you can perform tasks that manually would take days to complete and this book is jam-packed with a lot of them. You would learn some cool shortcuts, hacks, tricks and other procedures that you can perform easily with your Windows device. Powershell language is a must-learn and thanks to Robert Clarke you too can be part of the multitude that's enjoying it and this book is the key.

Leverage the power of PowerShell to bring the best out of your AWS infrastructure About This Book A collection of real-world-tested Powershell scripts that can be used to manage your Windows server efficiently Follow step-by-step processes to solve your problems with

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Windows servers using AWS tools Design examples that work in the Amazon free usage tier, which lets you run the Windows platform on cloud Who This Book Is For This book will be useful for (but not limited to) Windows System administrators, cloud engineers, architects, DevOps engineers, and all those who want to accomplish tasks on the AWS Public Cloud using PowerShell. What You Will Learn Install the AWS Tools for PowerShell 6 Understand key services provided by Amazon Web services (AWS) Understand the Virtual Private Cloud Use PowerShell 6 for AWS Identity and Access Management (IAM) Use PowerShell 6 for AWS Elastic Compute Cloud (EC2) Use PowerShell 6 for AWS Simple Storage Service (S3) Use PowerShell 6 for AWS Relational Database Service (RDS) Build fault-tolerant and highly-available applications using PowerShell 6 In Detail AWS Tools for PowerShell 6 shows you exactly how to automate all the aspects of AWS. You can take advantage of the amazing power of the cloud, yet add powerful scripts and mechanisms to perform common tasks faster than ever before. This book expands on the Amazon documentation with real-world, useful examples and production-ready scripts to automate all the aspects of your new cloud platform. It will cover topics such as managing Windows with PowerShell, setting up security services, administering database services, and deploying and managing networking. You will also explore advanced topics such as PowerShell authoring techniques, and configuring and managing storage and content delivery. By the end of this book, you will be able to use Amazon Web Services to automate and manage Windows servers. You will also have gained a good understanding of automating the AWS infrastructure using simple coding. Style and approach This step-by-step guide starts with simple examples then expands to full-blown administrative tasks leading to the efficient management of Windows servers. Each topic

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covers a section related to Amazon Web Services products, and the examples are built on one another to deliver a comprehensive library of scripts for administrators.

Cloud Computing is a "daily spoken" and most commonly used terminology in every forum. Every conversation with a CIO has a reference to cloud computing. The objective of this book is to simplify cloud computing, explain what is cloud computing's impact on Enterprise IT and how business should be prepared to leverage the benefits of cloud in the right way. THIS BOOK WILL BE YOUR KNOWLEDGE GATEWAY TO CLOUD COMPUTING AND NEXT GENERATION INFORMATION TECHNOLOGY MANAGEMENT. Besides core cloud computing concepts and process you will also be presented with latest technologies and tools available today to onboard your assets to cloud and manage cloud better. A cloud computing professional who has worked with several cloud providers and organizations of varied sizes writes this book so expect real life examples, techniques, process and working models for every scenario in strategizing, migrating and managing IT infrastructure in the cloud. The book is carefully structured to gradually take the readers through the basics of cloud computing concepts, terminologies, implementation and management techniques through traditional IT management so that readers can easily connect ends. Several transformational, working models and best practices are discussed throughout the book. If you are looking for a book on cloud computing, #thecloudbook is the right book for you. If you have already purchased any books on cloud computing, read #thecloudbook and then go through the other books, you will understand the other books better. #thecloudbook is a must for every IT professional.

In just 24 lessons of one hour or less, Sams Teach Yourself Windows PowerShell in 24 Hours helps you streamline all facets of Windows administration, supercharging your

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effectiveness as an IT professional or power user. This book's straightforward, step-by-step approach shows you how to build and run scripts, extend Windows PowerShell reach, manage computers remotely, and automate a wide variety of tasks on any modern Windows server or client. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common PowerShell scripting tasks. Practical, hands-on examples show you how to apply what you learn. Quizzes and exercises help you test your knowledge and stretch your skills. Notes, tips, and cautions point out shortcuts, pitfalls, and solutions. Learn how to... Install, configure, and explore Windows PowerShell (including updates for PowerShell 5) Leverage .NET's remarkable power and scope with easy-to-use cmdlets Build new scripts with the console, ISE visual tools, and other popular hosts Apply best practices for writing more reliable, flexible, team-friendly scripts Work effectively with the pipeline, objects, and data Extend Windows PowerShell reach via providers, drives, and output Run external tools like ping, ipconfig, and tracert from within PowerShell Remotely manage computers with basic and advanced remoting (WinRM), WMI, and Regex Configure Windows devices across the web with PSWA Sort, filter, measure, format, export, and convert script output Run Windows PowerShell flexibly, using background and scheduled jobs Customize your environment with profile scripts, alternate credentials, thirdparty tools, and packages Strengthen your control over Windows systems and services with Desired State

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Configuration Administer key tasks on SQL Server, SharePoint, and other Windows servers Master PowerShell skills needed to earn many Microsoft certifications Use Windows PowerShell Desired State Configuration (DSC) to configure your infrastructure on-premises and in the cloud. In an environment where changes and deployments are happening all the time, DSC makes the necessary adjustments to the system so you don't have to. Pro PowerShell Desired State Configuration shows you how. PowerShell Desired State Configuration (DSC) is a powerful configuration management platform that makes it easier than ever to perform configuration management of your infrastructure, whether on-premises or in the cloud. With Pro PowerShell Desired State Configuration, Ravikanth Chaganti revises and significantly expands his previous edition, bringing you a complete in-depth reference for applying this evolving technology in your day-to-day work. What's new in this edition? Get up-to-date, in-depth guidance on DSC in the data center Understand the central role that DSC plays in DevOps today Integrate DSC into build and release management tools Learn to think and act like a developer when automating your configuration management, creating a testable, robust process that you can use again and again Find out why and how DSC has an important role to play in public and private cloud deployments Apply DSC in the cloud with Microsoft Azure or Amazon Web Services or Google Cloud Platform Who This Book Is For IT administrators, developers and DevOps engineers working in Windows-based data center environments. With a little

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prior PowerShell scripting experience, this book can be used as an in-depth reference to creating, customizing, and extending DSC in Windows. IT administrators with limited scripting experience will also find this book a useful overview of what DSC offers and how to use DSC resources to automate configuration management and deployment. Take your Office 365 skills to the next level. Master PowerShell for Office 365 to stay competitive in today's world of highly sought after cloud management skills. With expert guidance, IT pros will learn how to leverage the muscle of PowerShell to automate many advanced administrative tasks not otherwise accessible in the Office 365 Admin Center. You will discover how to unlock configuration options and automate tasks in order to free up valuable time and resources. This book is your companion to administering Office 365 with PowerShell. You will learn time-saving techniques such as how to streamline administrative tasks, and how to manage users, licenses, and Office 365 services. Expert and MVP Vlad Catrinescu introduces each chapter with an overview and basic fundamentals, such as how to connect to your required service in Office 365, so that you have a solid foundation for success. Benefit from learning the theory behind PowerShell for Office 365 and put your knowledge to practice with numerous hands-on code examples. What You'll Learn Manage users in bulk Export data such as user lists and groups Create and manage Office 365 groups Manage Exchange online distribution lists, mailboxes, and contacts Configure Skype for Business settings Perform compliance searches directly from PowerShell Who This

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Book Is For Any IT pro who needs to manage Office 365 or one of its services such as Exchange, SharePoint, or Skype for Business. Readers should have a basic knowledge of PowerShell and the Office 365 service they want to manage.

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.

If you've been waiting impatiently for the arrival of Windows Server 2008, wait no more! It's here, and so is Windows Server 2008 All-In-One Desk Reference For Dummies to help you install it, configure it, network with it, secure it, command it with Windows PowerShell, and more. Services best practices and the cool IIS Web server are covered too. The eight powerful quick-reference manuals in this one-stop guide cover

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all the information you need to perform common administrative tasks with Windows Server 2008. You'll find sure-handed guidance and considerable detail on everything from installation to figuring out why a user can't gain access to resources on the server. You also see procedures for all common tasks — everything from setting up Internet Connection Sharing (ICS) to promoting your server to a domain controller. Discover how to: Use Windows Server virtualization Perform a complete PC restore Configure server roles and features Measure system performance Add network clients and protocols Keep your server operating at peak performance Monitor network interactions with others Work with Active Directory RMS Use best practices for implementing security Implement scripts and cmdlets with PowerShell Uncloak viruses masquerading as services Windows Server 2008 contains so many features that it's sometimes hard to know which one to install. No problem! Just flip open Windows Server 2008 All-In-One Desk Reference For Dummies and find your answer in a flash! This book addresses the emerging area of cloud computing, providing a comprehensive overview of the research areas, recent work and open research problems. The move to cloud computing is no longer merely a topic of discussion; it has become a core competency that every modern business needs to embrace and excel at. It has changed the way enterprise and internet computing is viewed, and this success story is the result of the long-term efforts of computing research community around the globe. It is predicted that by 2026 more than two-thirds of all enterprises across the globe will be

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entirely run in cloud. These predictions have led to huge levels of funding for research and development in cloud computing and related technologies. Accordingly, universities across the globe have incorporated cloud computing and its related technologies in their curriculum, and information technology (IT) organizations are accelerating their skill-set evolution in order to be better prepared to manage emerging technologies and public expectations of the cloud, such as new services.

Windows Terminal Tips, Tricks, and Productivity Hacks is a comprehensive guide to using Windows Terminal effectively. This book will show you how to customize the platform, work with developer tools such as Git and SSH, and more, while equipping you with the skills you need in the real world.

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

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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.

PowerShell provides a single, unified administrative command line from which to control and automate virtually every aspect of a Windows system. It accepts and executes commands immediately, and scripts can be written to manage most Windows servers like Exchange, IIS, and SharePoint. This updated book covers PowerShell features that run on Windows 7, Windows Server 2008 R2, and later. This edition is appropriate for PowerShell version 3 and later. There is coverage for new PowerShell version 5 features like PowerShellGet, however PowerShell fundamentals are unchanged. Learn Windows PowerShell in a Month of Lunches, Third Edition is an innovative tutorial designed for busy IT professionals. With just one hour a day for a month, readers will be automating Windows tasks faster than they ever thought possible. They start with the basics (What is PowerShell and what can be done with it). Then, it moves systematically through the techniques and features that facilitate efficient and effective results.

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Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

The professional's one-stop guide to this open-source, Java-based big data framework Professional Hadoop is the complete reference and resource for experienced developers looking to employ Apache Hadoop in real-world settings. Written by an expert team of certified Hadoop developers, committers, and Summit speakers, this book details every key aspect of Hadoop technology to enable optimal processing of large data sets. Designed expressly for the professional developer, this book skips over the basics of database development to get you acquainted with the framework's processes and capabilities right away. The discussion covers each key Hadoop component individually, culminating in a sample application that brings all of the pieces together to illustrate the cooperation and interplay that make Hadoop a major big data solution. Coverage includes everything from storage and security to computing and user experience, with expert guidance on integrating other software and more. Hadoop is quickly reaching significant market usage, and more and more developers are being called upon to develop big data solutions using the Hadoop framework. This book covers the process from beginning to end, providing a crash course for professionals needing to learn and apply Hadoop quickly. Configure storage, UE,

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and in-memory computing Integrate Hadoop with other programs including Kafka and Storm Master the fundamentals of Apache Big Top and Ignite Build robust data security with expert tips and advice Hadoop's popularity is largely due to its accessibility. Open-source and written in Java, the framework offers almost no barrier to entry for experienced database developers already familiar with the skills and requirements real-world programming entails. Professional Hadoop gives you the practical information and framework-specific skills you need quickly.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. This study guide covers 100% of the objectives for the AWS Certified SysOps Administrator Associate exam Take the challenging AWS Certified SysOps Administrator Associate exam with confidence using this highly effective self-study guide. You will learn how to provision systems, ensure data integrity, handle security, and monitor and tune Amazon Web Services performance. Written by an industry-leading expert, AWS Certified SysOps Administrator Associate All-in-One Exam Guide (Exam SOA-C01) fully covers every objective for the exam and follows a hands-on, step-by-step methodology. Beyond fully preparing you for the exam, the book also serves as a valuable on-

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the-job reference. Covers all exam topics, including:

- Systems operations
- Signing up, working with the AWS Management Console, and the AWS CLI
- AWS Identity and Access Management (IAM) and AWS service security
- AWS compute services and the Elastic Compute Cloud (EC2)
- Amazon ECS, AWS Batch, AWS Lambda, and other compute services
- Storage and archiving in the AWS cloud with Amazon EBS, Amazon EFS, and Amazon S3 Glacier
- Managing databases in the cloud—Amazon RDS, Amazon Aurora, Amazon DynamoDB, Amazon ElastiCache, and Amazon Redshift
- Application integration with Amazon SQS and Amazon SNS
- AWS high availability strategies
- Monitoring with Amazon CloudWatch, logging, and managing events
- Managing AWS costs and billing
- Infrastructure provisioning through AWS CloudFormation and AWS OpsWorks, application deployment, and creating scalable infrastructures

Online content includes:

- 130 practice questions
- Test engine that provides full-length practice exams or customized quizzes by chapter or by exam domain

This comprehensive handbook serves as a professional reference and practitioner's guide to today's most complete and concise view of private cloud security. It explores practical solutions to a wide range of private cloud computing security issues. The knowledge imparted will enable readers to determine

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whether the private cloud security solution is appropriate for their organization from a business and technical perspective, to select the appropriate cloud security model, and to plan and implement a cloud security adoption and migration strategy.

Easy to follow guide to learn Powershell - no previous experience required! This book, "Powershell: The Ultimate Beginner's Guide" will teach you everything that you need to know in order to get started programming with PS. If you take the time to learn and practice what you learn within this book, you will find yourself programming with PS like a pro! This guide gives you instructions so you can start applying yourself and learning how to use PowerShell right from the start. All terms are broken down throughout the book so you won't be overwhelmed with any technical jargon. This book contains detailed knowledge and applicable steps on:- Learning a New Language: You will start off by gaining the understanding that you are, in fact, learning a new language. This will help you to acquire the proper mindset while learning PS. Additionally, you will learn the benefits of how powerful PS really is.- Beginning to Work With PS: You will learn what commands are, as well as how they can be used. You will also learn how to locate information on many different aspects of PS by finding and utilizing PS's Help Files. - Pipelines and Outputs: You will learn exactly what a PS pipeline is,

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how they are used, and how to create your own. You will also learn how to control and sort the output of these pipelines.- Operations and Wildcards: You will learn what oper.s and wildcards are, as well as the benefits of their use. Additionally, you will be provided with detailed lists of available oper.s and wildcards.- Quotes and Strings: You will learn what strings are, as well as how to properly use single quotes (' '), double quotes (" "), as well as the backtick (`).- scalars: You will learn how to utilize a variety of different scalar types, as well as how to create and modify scalars. You will learn how the use of scalars can greatly increase the complexity of tasks that you are capable to accomplish.- Drives and Providers: You will learn what PS providers are and what they do. You will also learn how they relate to the drives that you can use. On top of this, you will learn how to find all of the drives available to you, use those drives, as well as how to create drives of you own.If you're looking for the easiest way to teach yourself Powershell then this book will be your best friend. Buy it today and receive it tomorrow with Amazon Prime membership! Tags: Powershell, Powershell Scripting, Powershell For Beginners, Learn Powershell

This book constitutes the proceedings of the 23rd International Conference on Parallel and Distributed Computing, Euro-Par 2017, held in Santiago de Compostela, Spain, in August/September 2017. The 50 revised full papers

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presented together with 2 abstract of invited talks and 1 invited paper were carefully reviewed and selected from 176 submissions. The papers are organized in the following topical sections: support tools and environments; performance and power modeling, prediction and evaluation; scheduling and load balancing; high performance architectures and compilers; parallel and distributed data management and analytics; cluster and cloud computing; distributed systems and algorithms; parallel and distributed programming, interfaces and languages; multicore and manycore parallelism; theory and algorithms for parallel computation and networking; parallel numerical methods and applications; and accelerator computing.

Align your business requirements with IT by implementing ServiceNow IT Operations with ease. About This Book Written to the latest specification, it will cover basic to advanced concepts and architecture. Take a service-centric approach to operations management and consolidate all your resource data into a single system IT record. Beat the key challenge of managing multiple business operations (even running globally) over a complex IT infrastructure and see immediate results. Who This Book Is For The book is aimed at System administrators, IT operations and IT managers who plan to implement ServiceNow IT Operations Management for their organization. They have no

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knowledge of ServiceNow ITOM. What You Will Learn Step by step guide in setting up each features with in ServiceNow ITOM Install and configure the required application or plugin Integrate with other provider services as deemed appropriate Explore Orchestration capabilities and how to analyze the data Learn about the ServiceNow graphical interface Integrate with other applications within ServiceNow Aims to cover the fundamentals concepts to advanced concepts Best practices and advanced features In Detail ServiceNow ITOM enables infrastructure and processes to be managed in a highly automated manner. It contains various segments that ensure its applications and enterprise infrastructures are optimized for high performance and helps in creating a lean and agile organization through service-level visibility and automation. This book will be a comprehensive guide that will be based on Geneva release and will help you discover how IT activities can be connected to your business needs, rather than just focusing on internal IT process. It will take a service-centric approach to operations management and consolidate all your resource data into a single system IT record. You will learn about discovery, orchestration, MID server and cloud management, helping you take full advantage of ServiceNow IT Operations Management to improve the quality of service & increasing the service availability. By the end of the book, you will be able to achieve improved service

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availability, immediate visibility of vital business services and much more, all from the convenience of your single screen. Style and approach This will be a step by step learning guide helping readers to implement ServiceNow IT Operations Management for their organization.

The AWS Certified Solutions Architect Professional exam validates advanced technical skills and experience in designing distributed applications and systems on the AWS platform. Example concepts you should understand for this exam include: - Designing and deploying dynamically scalable, highly available, fault-tolerant, and reliable applications on AWS - Selecting appropriate AWS services to design and deploy an application based on given requirements - Migrating complex, multi-tier applications on AWS - Designing and deploying enterprise-wide scalable operations on AWS - Implementing cost-control strategies - Recommended AWS Knowledge This book contains Free Resources. Preview the book & see what's inside.

Explore the ins and outs of becoming an AWS certified DevOps professional engineer with the help of easy-to-follow practical examples and detailed explanations Key Features Discover how to implement and manage continuous delivery systems and methodologies on AWS Explore real-world scenarios and hands-on examples that will prepare you to take the DOP-C01 exam with

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confidence Learn from enterprise DevOps scenarios to prepare fully for the AWS certification exam Book Description The AWS Certified DevOps Engineer certification is one of the highest AWS credentials, vastly recognized in cloud computing or software development industries. This book is an extensive guide to helping you strengthen your DevOps skills as you work with your AWS workloads on a day-to-day basis. You'll begin by learning how to create and deploy a workload using the AWS code suite of tools, and then move on to adding monitoring and fault tolerance to your workload. You'll explore enterprise scenarios that'll help you to understand various AWS tools and services. This book is packed with detailed explanations of essential concepts to help you get to grips with the domains needed to pass the DevOps professional exam. As you advance, you'll delve into AWS with the help of hands-on examples and practice questions to gain a holistic understanding of the services covered in the AWS DevOps professional exam. Throughout the book, you'll find real-world scenarios that you can easily incorporate in your daily activities when working with AWS, making you a valuable asset for any organization. By the end of this AWS certification book, you'll have gained the knowledge needed to pass the AWS Certified DevOps Engineer exam, and be able to implement different techniques for delivering each service in real-world scenarios. What you will learn Automate

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your pipelines, build phases, and deployments with AWS-native tooling Discover how to implement logging and monitoring using AWS-native tooling Gain a solid understanding of the services included in the AWS DevOps Professional exam Reinforce security practices on the AWS platform from an exam point of view Find out how to automatically enforce standards and policies in AWS environments Explore AWS best practices and anti-patterns Enhance your core AWS skills with the help of exercises and practice tests Who this book is for This book is for AWS developers and SysOps administrators looking to advance their careers by achieving the highly sought-after DevOps Professional certification. Basic knowledge of AWS as well as its core services (EC2, S3, and RDS) is needed. Familiarity with DevOps concepts such as source control, monitoring, and logging, not necessarily in the AWS context, will be helpful.

A complete guide to building and deploying web apps with Heroku A cloud application platform, Heroku is currently the only approved platform for creating apps within Facebook, and its number of users is growing at rapid pace. However, there are very few books on the market that offer professional-level coverage of this platform, until now. The author duo begins with an introduction to the Heroku platform and its associated core concepts and then goes on to explain how writing for this platform differs from that of traditional development systems. Example

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applications, additional resources, and advice for your next steps round out this resource, making it a thorough, indispensable guide. Features information not found anywhere else, as both authors work for Heroku Explains the inner workings of Heroku with special emphasis placed on building web and mobile applications Introduces GIT-based development workflow and the process model within the Heroku platform Details coding, building, deploying, and scaling effectively using the Heroku tool base Providing you with fully functional code and downloadable code examples, Professional Heroku Programming is your complete guide to mastering this platform.

Start deploying, managing, and scaling containerized applications into AWS container infrastructure using Docker on Amazon EC2, Amazon Elastic Container Service (ECS), and AWS Elastic Kubernetes Service (EKS). This step by step practical book will cover all the available container services on AWS and review the usage of each one based on your required scale and cost. Further, you will see how to set up each environment and finally deploy, manage, and scale containerized applications on each one. In the chapter about Elastic Kubernetes Service (EKS), you will learn the process of building and managing Kubernetes clusters on AWS and see how to provision hosts in a matter of minutes, while deploying containers in seconds and making them available globally. Deploy

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Containers on AWS shows you how to get started with AWS container offerings and manage production or test environments of containerized applications using a hands-on approach with step-by-step instructions. What You Will Learn Deploy and manage containers with Docker on Amazon EC2 Store and retrieve container images using the Amazon EC2 container registry Orchestrate containers with Amazon Elastic Container Service (ECS) Run Kubernetes-managed infrastructure on AWS (EKS) Monitor, manage, back up, and restore containers on AWS Who This Book Is For Developers, cloud and systems administrators, and architects

The style and approach of the book is an easy to read SharePoint admin guide. This is not a step by step instruction book, but rather a guide on how to implement and execute a disaster recovery plan to your SharePoint environment. This book is great for both SharePoint and SQL administrators new to the SharePoint 2013 architecture, and who are looking to get a good grounding in how to use implement a solid disaster recovery plan. It's assumed that you have some experience in SharePoint and Windows Server and, as well be familiar with SQL.

This book is your field guide to planning, deploying, managing, and troubleshooting Always On Availability Groups. The Always On Availability

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Groups feature is an enterprise-level solution for high availability and disaster recovery. Always On provides a rich set of options that reduce overhead and resource usage and enable database administrators to implement and manage high availability and disaster recovery solutions far more easily than by implementing the log-shipping and database-mirroring solutions of the past. Pro SQL Server Always On Availability Groups shows how to reduce downtime, maximize application availability, and provide data protection. The goal is always to have your SQL Server databases up and running whenever you need them, rain or shine, disaster or otherwise. With a focus on real-world experiences and war stories, authors Uttam Parui and Vivek Sanil offer you: Tips, tricks, and best practices for architecting and deploying availability groups. The confidence required to manage and monitor availability groups. Techniques to troubleshoot common issues that you may face during and after deploying availability groups in a mission-critical production environment. What You Will Learn Grasp important concepts underlying high-availability and disaster recovery. Plan and deploy Always On Availability Groups in your corporate environment. Manage Availability Groups to ensure constant readiness and high throughput. Monitor Availability Group performance and troubleshoot problems fast. Build on the cloud and make Windows Azure part of your availability solution. Employ proven

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techniques and best practices as tested and shared by the authors. Audience Pro SQL Server Always On Availability Groups is aimed at SQL Server architects, database administrators, and IT professionals who are tasked with architecting and deploying a high-availability and disaster recovery solution involving Microsoft SQL Server. This book is also for SQL Server support staff who will be managing and supporting existing availability group deployments.

Make the most of PowerShell's features to manage all aspects of your Exchange Server 2016 environment. About This Book Learn to integrate PowerShell with Exchange Server 2016 Write scripts and functions to run tasks automatically, and generate complex reports with PowerShell Use these effective recipes to learn all popular and important Powershell scripts to manage tasks and avoid errors Who This Book Is For This book is for messaging professionals who want to build real-world scripts with Windows PowerShell and the Exchange Management Shell. You'll also find it indispensable if you're a network or systems administrator responsible for managing and maintaining Exchange Server 2016. What You Will Learn Master the new features and capabilities of PowerShell and Exchange Server 2016 Get to grips with the core PowerShell concepts Use simple PowerShell scripts and commands to get powerful results Generate detailed reports, send the output of commands by email , and schedule scripts to run

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automatically Import, export, and move mailboxes, and delete messages from mailboxes using the command line Configure transport server settings such as mail relay, tracking logs, transport rules, delivery reports, and more Manage mailbox and public folders Monitor the health of an Exchange environment through built-in cmdlets and other methods Integrate Exchange with Office Online Server, Skype for Business Server, and Exchange Online (Office 365) In Detail We start with a set of recipes on core PowerShell concepts. This will provide you with a foundation for the examples in the book. Next, you'll see how to implement some of the common exchange management shell tasks, so you can effectively write scripts with this latest release. You will then learn to manage Exchange recipients, automate recipient-related tasks in your environment, manage mailboxes, and understand distribution group management within the Exchange Management Shell. Moving on, we'll work through several scenarios where PowerShell scripting can be used to increase your efficiency when managing databases, which are the most critical resources in your Exchange environment. Towards the end, you'll discover how to achieve Exchange High Availability and how to secure your environment, monitor the health of Exchange, and integrate Exchange with Office Online Server, Skype for Business Server, and Exchange Online (Office 365). By the end of the book, you will be able to perform

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administrative tasks efficiently. Style and approach This practical guide is packed with handy recipes to help you perform common administration tasks, as well as complex tasks in Exchange Server, without any hassle.

This effective self-study system delivers complete coverage of every topic on the AWS Certified Developer Associate Exam Take the challenging AWS Certified Developer Associate Exam with confidence using the comprehensive information contained in this effective test preparation guide. Written by an Amazon Web Services certified expert and experienced trainer, AWS Certified Developer Associate All-in-One Exam Guide (Exam DVA-C01) covers every subject on the exam and clearly explains how to create, deploy, migrate, monitor, and debug cloud-native applications. Designed to help you pass the exam with ease, this guide also serves as an ideal on-the-job reference. Covers all topics on the exam, including: Getting started with AWS Journey AWS high availability and fault tolerance Working with cloud storage Authentication and authorization Creating SQL and NoSQL databases in AWS Cloud AWS application integration and management Developing cloud-native applications in AWS Building, deploying, and debugging cloud applications Electronic content includes: 130 practice questions Test engine containing full-length practice exams and customizable quizzes

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Comprehensive, interactive exam preparation and so much more The AWS Certified SysOps Administrator Official Study Guide: Associate Exam is a comprehensive exam preparation resource. This book bridges the gap between exam preparation and real-world readiness, covering exam objectives while guiding you through hands-on exercises based on situations you'll likely encounter as an AWS Certified SysOps Administrator. From deployment, management, and operations to migration, data flow, cost control, and beyond, this guide will help you internalize the processes and best practices associated with AWS. The Sybex interactive online study environment gives you access to invaluable preparation aids, including an assessment test that helps you focus your study on areas most in need of review, and chapter tests to help you gauge your mastery of the material. Electronic flashcards make it easy to study anytime, anywhere, and a bonus practice exam gives you a sneak preview so you know what to expect on exam day. Cloud computing offers businesses a cost-effective, instantly scalable IT infrastructure. The AWS Certified SysOps Administrator - Associate credential shows that you have technical expertise in deployment, management, and operations on AWS. Study exam objectives Gain practical experience with hands-on exercises Apply your skills to real-world scenarios Test your understanding with challenging review questions Earning your AWS

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Certification is much more than just passing an exam—you must be able to perform the duties expected of an AWS Certified SysOps Administrator in a real-world setting. This book does more than coach you through the test: it trains you in the tools, procedures, and thought processes to get the job done well. If you're serious about validating your expertise and working at a higher level, the AWS Certified SysOps Administrator Official Study Guide: Associate Exam is the resource you've been seeking.

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,

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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.

Amazon Web Services (AWS) is the leading public cloud platform. In this book you will learn to use Microsoft PowerShell to create, host, manage, and administer workloads using Amazon Web Services. You will learn how to create virtual machines, provision storage, configure networks, and more—all using your preferred Windows scripting language. CIOs everywhere are leading their organizations to the cloud, but there are few books available to help. This book focuses on moving Microsoft Windows workloads to the cloud using technologies familiar to enterprise Microsoft-based professionals. The completely revised and expanded Pro PowerShell for Amazon Web Services is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads on Amazon Web Services. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. New chapters in this second edition cover: AWS Lambda, Amazon WorkSpaces, Amazon

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AppStream 2.0, AWS Directory Service, Amazon WorkDocs, and AWS System Manager. What You'll Learn Create and manage Windows servers on Elastic Compute Cloud (EC2) Configure and secure networks with Virtual Private Cloud (VPC) Leverage autoscaling to adjust resources as load changes Deploy and manage SQL Server using the Relational Database Service (RDS) Manage virtual desktops using WorkSpaces and AppStream Leverage AWS Systems Manager to manage Windows at scale Who This Book Is For Windows professionals who want to learn more about Amazon Web Services, with a focus on running Windows workloads and automated management at scale using PowerShell tools for AWS. The book assumes you have knowledge of Windows and PowerShell, but are new to AWS.

Pro PowerShell for Amazon Web Services is written specifically for Windows professionals who already know PowerShell and want to learn to host Windows workloads in the Amazon Elastic Cloud Compute (EC2) cloud service. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. This book is a resource for using Microsoft's powerful scripting language, PowerShell, to create, host, manage, and administer workloads using a service widely recognized as the industry leader in cloud computing. Inside, find scripts to create and manage virtual machines, provision storage, configure networks with agility, and more--all using your preferred Windows

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scripting language. Use your PowerShell knowledge to harness the power of Amazon EC2 today!

This book gets you started and gives you knowledge about AWS Fargate in order to successfully incorporate it in your ECS container application. Key Features Gives you a quick walk-through over the Amazon Elastic Container Services (ECS) Provides an in depth knowledge of the components that Amazon Fargate has to offer. Learn the practical aspects of Docker application development with a managed service Book Description Amazon Fargate is new launch type for the Amazon Elastic Container Service (ECS). ECS is an AWS service for Docker container orchestration. Docker is the de facto containerization framework and has revolutionized packaging and deployment of software. The introduction of Fargate has made the ECS platform serverless. The book takes you through how Amazon Fargate runs ECS services composed of tasks and Docker containers and exposes the containers to the user. Fargate has simplified the ECS platform. We will learn how Fargate creates an Elastic Network Interface (ENI) for each task and how auto scaling can be enabled for ECS tasks. You will also learn about using an IAM policy to download Docker images and send logs to CloudWatch. Finally, by the end of this book, you will have learned about how to use ECS CLI to create an ECS cluster and deploy tasks with Docker Compose. What you will learn Running Docker containers with a managed service Use Amazon ECS in Fargate launch mode Configure CloudWatch Logging with Fargate Use an IAM

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Role with Fargate Understand how ECS CLI is used with Fargate Learn how to use an Application Load Balancer with Fargate Learn about Auto Scaling with Fargate Who this book is for This book is for Docker users and developers who want to learn about the Fargate platform. Typical job roles for which the book is suitable are DevOps Architect, Docker Engineer, and AWS Cloud Engineer. Prior knowledge of AWS and ECS is helpful but not mandatory.

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