

# Powershell 101 A Quick Start Guide To

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Mastering Azure Virtual Desktop - Ryan Mangan  
2022-03-16

Learn how to design, implement, configure, and manage your Azure Virtual Desktop environment  
Key Features Learn everything about designing and deploying an Azure Virtual Desktop environment Gain in-depth insights into Azure Virtual Desktop and prepare successfully for the AZ-140 exam Explore best practices and expert tips on how to set up Azure Virtual Desktop Book Description Azure Virtual Desktop is a cloud desktop virtualization platform that securely delivers virtual desktops and remote apps. Mastering Azure Virtual Desktop will guide you through designing, implementing, configuring, and maintaining an Azure Virtual Desktop environment effectively. This book can also be used as an exam preparation guide to help you sit the Microsoft AZ-140 exam. You'll start with an introduction to the essentials of Azure Virtual Desktop. Next, you'll get to grips with planning an Azure Virtual Desktop architecture before learning how to implement an Azure Virtual Desktop environment. Moving ahead, you'll learn how to manage and control access as well as configure security controls on your Azure Virtual Desktop environment. As you progress, you'll understand how to manage user environments and configure MSIX app attach and other Azure Virtual Desktop features to enhance the user experience. You'll also learn about the Azure Active Directory (AD) join and getting started feature. Finally, you'll discover how to monitor

and maintain an Azure Virtual Desktop environment to help you support your users and diagnose issues when they occur. By the end of this Microsoft Azure book, you'll have covered all the essential topics you need to know to design and manage Azure Virtual Desktop and prepare for the AZ-140 exam. What you will learn Design Azure Virtual Desktop and user identities and profiles Implement networking and storage for Azure Virtual Desktop Create and configure session host images and host pools Manage access and security for MS Azure Virtual Desktop Implement FSLogix Profile Containers and FSLogix Cloud Cache Configure user experience and Azure Virtual Desktop features Plan and implement business continuity and disaster recovery Automate Azure Virtual Desktop tasks Who this book is for If you are an IT professional, workspace administrator, architect, or consultant looking to learn about designing, implementing, and managing Azure Virtual Desktop, this book is for you. You'll also find this book helpful if you're preparing for the Microsoft AZ-140 exam.

**The PowerShell Conference Book** - Mike Robbins  
2018-09-12

This book is designed to be like a conference in a book where each chapter is written by a different author who is a subject matter expert on the topic covered in their chapter. Each chapter is also independent of the others so you can read one chapter, ten chapters, or all of them. You can start with the first chapter, the

last one, or somewhere in-between and not miss out on anything related to that particular topic. This book is written for the intermediate to advanced audience. Prior experience with PowerShell is highly recommended. 100% of the royalties from this book are donated to the PowerShell + DevOps Global Summit's OnRamp Scholarship Program. Learn more at [PowerShellSummit.org](http://PowerShellSummit.org).

PowerShell Deep Dives - Oisin Grehan  
2013-07-25

Summary Here's your chance to learn from the best in the business. PowerShell Deep Dives is a trove of essential techniques, practical guidance, and the expert insights you earn only through years of experience. Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic hand-picked the 28 chapters in the book's four parts: Administration, Scripting, Development, and Platforms. About the Technology PowerShell has permanently changed Windows administration. This powerful scripting and automation tool allows you to control virtually every aspect of Windows and most Microsoft servers like IIS and SQL Server. Here's your chance to learn from the best in the business. About this Book PowerShell Deep Dives is a trove of essential techniques and practical guidance. It is rich with insights from experts who won them through years of experience. The book's 28 chapters, grouped in four parts (Administration, Scripting, Development, and Platforms), were hand-picked by four section editors: Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic. Whether you're just getting started with PowerShell or you already use it daily, you'll find yourself returning to this book over and over. What's Inside Managing systems through a keyhole The Ten Commandments of PowerShell scripting Scalable scripting for large datasets Adding automatic remoting Provisioning web servers and websites automatically to IIS 8 And 23 more fantastic chapters Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic are joined by PowerShell experts Chris Bellee, Bartek Bielawski, Robert C. Cain, Jim Christopher, Adam Driscoll, Josh Gavant, Jason

Helmick, Don Jones, Ashley McGlone, Jonathan Medd, Ben Miller, James O'Neill, Arnaud Petitjean, Vadims Podans, Karl Prosser, Boe Prox, Matthew Reynolds, Mike Robbins, Donabel Santos, Will Steele, Trevor Sullivan, and Jeff Wouters. Table of Contents PART 1 POWERSHELL ADMINISTRATION Diagnosing and troubleshooting PowerShell remoting CIM sessions 22 Collecting and analyzing performance counter data TCP port communications with PowerShell Managing systems through a keyhole Using PowerShell to audit user logon events Managing and administering a certification authority database with PowerShell Using PowerShell to reduce Active Directory token bloat PART 2 POWERSHELL SCRIPTING The 10 PowerShell scripting commandments Avoiding the pipeline A template for handling and reporting errors Tips and tricks for creating complex or advanced HTML reports with PowerShell Using and "abusing" dynamic parameters PowerShell type formatting Scalable scripting for large data sets: pipeline and database techniques Building your own WMI-based cmdlets Turning command-line tools into PowerShell tools PART 3 POWERSHELL FOR DEVELOPERS Using Source Control Software with PowerShell Inline .NET code PowerShell and XML: better together Adding automatic remoting to advanced functions and cmdlets Taming software builds (and other complicated processes) with psake PART 4 POWERSHELL PLATFORMS PowerShell and the SQL Server provider Creating flexible subscriptions in SSRS Inventory database table statistics using PowerShell SQL Server Management Objects WSUS and PowerShell Provisioning IIS web servers and sites with PowerShell Active Directory Group Management application

*Exam 98-349 MTA Windows Operating System Fundamentals* - Microsoft Official Academic Course 2012-05-15

The Microsoft Technology Associate certification (MTA) curriculum helps instructors teach and validate fundamental technology concepts with a foundation for students' careers as well as the confidence they need to succeed in advanced studies. Through the use of MOAC MTA titles you can help ensure your students future success in and out of the classroom. This MTA

text covers the following Windows Operating System vital fundamental skills: • Understanding Operating System Configurations • Installing and Upgrading Client Systems • Managing Applications, Managing Files and Folders • Managing Devices • Understanding Operating System Maintenance. Click here to learn more about Microsoft Technology Associate, (MTA) a new and innovative certification track designed to provide a pathway for future success in technology courses and careers.

### **Identity with Windows Server 2016:**

#### **Microsoft 70-742 MCSA Exam Guide -**

Vladimir Stefanovic 2019-01-31

Equip yourself with the most complete and comprehensive preparation experience for Identity with Windows Server 2016: Microsoft 70-742 exam. Key FeaturesHelps you demonstrate real-world mastery of Windows Server 2016 identity features and functionality and prepare for 70-742Acquire skills to reduce IT costs and deliver more business valueEnhance your existing skills through practice questions and mock testsBook Description MCSA: Windows Server 2016 certification is one of the most sought-after certifications for IT professionals, which includes working with Windows Server and performing administrative tasks around it. This book is aimed at the 70-742 certification and is part of Packt's three-book series on MCSA Windows Server 2016 certification, which covers Exam 70-740, Exam 70-741, and Exam 70-742. This exam guide covers the exam objectives for the 70-742 Identity with Windows Server 2016 exam. It starts with installing and configuring Active Directory Domain Services (AD DS), managing and maintaining AD DS objects and advanced configurations, configuring Group Policy, Active Directory Certificate Services, and Active Directory Federation Services and Rights Management. At the end of each chapter, convenient test questions will help you in preparing for the certification in a practical manner. By the end of this book, you will be able to develop the knowledge and skills needed to complete MCSA Exam 70-742: Identity with Windows Server 2016 with confidence. What you will learnInstall, configure, and maintain Active Directory Domain Services (AD DS)Manage Active Directory Domain Services

objectsConfigure and manage Active Directory Certificate ServicesConfigure and manage Group PolicyDesign, implement, and configure Active Directory Federation ServicesImplement and configure Active Directory Rights Management ServicesWho this book is for This book primarily targets system administrators who are looking to gain knowledge about identity and access technologies with Windows Server 2016 and aiming to pass the 70-742 certification. This will also help infrastructure administrators who are looking to gain advanced knowledge and understanding of identity and access technologies with Windows Server 2016. Familiarity with the concepts such as Active Directory, DNS is assumed.

### **Microsoft Windows Server 2008 R2**

#### **Administration Instant Reference -** Matthew Hester 2010-01-21

All your Windows Server 2008 R2 questions answered—on the spot! Get up to speed on the new features of Windows Server 2008 R2 with this indispensableguide. Designed for busy IT professionals, it's the perfect go-to resource for quick answers and real-world solutions as you administer the new server OS. You'll find easy-to-read lists, quick-reference tables, helpful thumb tabs, and much more in a handy, compact format that puts the information you need at your fingertips. Topics include: Getting started and adding roles and functionality Automating tasks Managing users, groups, directories, and the centralized desktop Handling folder security, disk management, storage, backup, and recovery Monitoring and maintaining web servers Troubleshooting IP and managing remote access Doing performance tuning and maintaining virtual servers

#### **Windows PowerShell Cookbook -** Lee Holmes 2010-08-13

Do you know how to use Windows PowerShell to navigate the filesystem and manage files and folders? Or how to retrieve a web page? This introduction to the PowerShell language and scripting environment provides more than 430 task-oriented recipes to help you solve the most complex and pressing problems, and includes more than 100 tried-and-tested scripts that intermediate to advanced system administrators can copy and use immediately. You'll find hands-on tutorials on fundamentals, common tasks, and

administrative jobs that you can apply whether you're on a 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. With *Windows PowerShell Cookbook*, you'll get more done in less time. Take a tour of PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting. Learn PowerShell fundamentals such as the interactive shell and fundamental 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, the filesystem, registry, event logs, processes, and services.

**Exam Ref MD-101 Managing Modern Desktops** - Andrew Bettany 2019-08-05

Prepare for Microsoft Exam MD-101—and help demonstrate your real-world mastery of skills and knowledge required to manage modern Windows 10 desktops. Designed for Windows administrators, Exam Ref focuses on the critical thinking and decision-making acumen needed for success at the Microsoft Certified Associate level. Focus on the expertise measured by these objectives: Deploy and update operating systems; Manage policies and profiles; Manage and protect devices; Manage apps and data. This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you. Assumes you have experience deploying, configuring, securing, managing, and monitoring devices and client applications in an enterprise environment. About the Exam Exam MD-101 focuses on knowledge needed to plan and implement Windows 10 with dynamic deployment or Windows Autopilot; upgrade devices to Windows 10; manage updates and device authentication; plan and implement co-management; implement conditional access and compliance policies; configure device profiles; manage user profiles; manage Windows Defender; manage Intune device enrollment and inventory; monitor devices; deploy/update applications, and implement Mobile Application Management (MAM). About Microsoft Certification Passing

this exam and Exam MD-100 Windows 10 fulfills your requirements for the Microsoft 365 Certified: Modern Desktop Administrator Associate certification credential, demonstrating your ability to install Windows 10 operating systems and deploy and manage modern desktops and devices in an enterprise environment. See full details at: [microsoft.com/learn](https://microsoft.com/learn)

**Windows PowerShell Pocket Reference** - Lee Holmes 2008-05-27

The only portable, on-the-job reference to Windows PowerShell -- handy for Windows system administrators who number in the hundreds of thousands.

*Untold Secret of Google Hacks* - Y. Anto 2012-07

This book is mainly useful for security researchers and ethical hackers. Everyone knows about search engine and no one knows about the process behind it. This book explains about all the process behind search engine. So this book can be used by all kind of people. This book also explains to decrypt the Google user input and how to modify this decrypted input. It can be used as an advanced foot printing tool. The accurate output needed by the search engine user can be obtained after learning this book. The working method of Google in all over countries are also explained. Hacking live camera in bank, schools, colleges are also listed. All the working methods are explained with neat screen shots and so it is easy to understand. If anyone has an interest with search engine you can surely buy this book and make use of it.

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.

**Automating SharePoint 2010 with Windows PowerShell 2.0** - Shannon W. Bray 2011-06-01

Authoritative coverage of the latest version of Microsoft's fastest-selling product. Imagine being able to perform a task that requires dozens of clicks with just a single command, or automate a series of identical tasks rather than repeat them. This book shows you how to do just that—and more—by using Windows PowerShell cmdlets with SharePoint 2010. Focused on

everyday and frequently performed tasks, this invaluable guide provides PowerShell solutions for maintaining a SharePoint environment and explains how more than 500 cmdlets that come with SharePoint 2010 allows you to automate just about anything. Step-by-step instructions walk you through the necessary concepts and real-world examples enhance your learning process. Highlights the ways in which PowerShell cmdlets take the tedium out of executing frequently performed commands in SharePoint 2010 by automating everyday tasks Explains how to install and configure a SharePoint environment Details the steps for deploying and managing Web applications, site collections, authentication, and solution packages Shows you how to manage operational settings and back up and restore data Automating SharePoint 2010 with Windows PowerShell 2.0 helps you save time and effort performing common tasks so that you can be more productive.

Microsoft Windows Server 2012 Administration Instant Reference - Matthew Hester 2013-06-04 Fast, accurate answers for common Windows Server questions Serving as a perfect companion to all Windows Server books, this reference provides you with quick and easily searchable solutions to day-to-day challenges of Microsoft's newest version of Windows Server. Using helpful design features such as thumb tabs, tables of contents, and special heading treatments, this resource boasts a smooth and seamless approach to finding information. Plus, quick-reference tables and lists provide additional on-the-spot answers. Covers such key topics as server roles and functionality, user and group maintenance, directory management and replication, and backup and recovery Addresses automating administrative tasks and managing server remote access Helps you with disk management and storage, folder security, and performance tuning Walks you through common troubleshooting issues as well as maintaining and controlling the centralized desktop Microsoft Windows Server 2012 Administration Instant Reference is a must-have resource for finding quick answers quickly!

**Learn Windows PowerShell 3 in a Month of Lunches** - Don Jones 2012-11-22 Presents a guide on how to use Windows

PowerShell to script Windows administrative tasks and control Windows from the command line.

*MCSA 70-741 Cert Guide* - Michael S. Schulz 2017-05-26

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for MCSA 70-741 exam success with this Cert Guide from Pearson IT Certification, a leader in IT certification. Master MCSA 70-741 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks MCSA 70-741 Cert Guide is a best-of-breed exam study guide. Leading technology trainer and consultant Michael S. Schulz shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The study guide helps you master all the topics on the MCSA 70-741 exam for Windows Server 2016, including DNS implementation, including server configuration, zones, records, policies, DNSSEC, and DANE DHCP, including server installation, configuration, and scopes IPAM, including installation/configuration, DNS/DHCP management, and auditing Network connectivity and remote access solutions, including VPN, DirectAccess, NPS Radius, and wired clients Core and distributed network solutions, including IPv4 and IPv6 addressing, DFS, and branch office solutions Advanced network infrastructure

*MCA Microsoft 365 Certified Associate Modern Desktop Administrator Complete Study Guide with 900 Practice Test Questions* - William Panek  
2023-01-05

Complete, UPDATED study guide for MCA Modern Desktop Administrator certification exams, MD-100 and MD-101. Covers new Windows 11, services, technologies, and more! MCA Microsoft 365 Certified Associate Modern Desktop Administrator Complete Study Guide, Second Edition, is your all-in-one guide to preparing for the exams that will earn you the MCA Modern Desktop Administrator certification! In this book, well-known Windows guru and five-time Microsoft MVP, William Panek, guides you through the latest versions of the Windows Client exam (MD-100) and the Managing Modern Desktops exam (MD-101). This one-stop resource covers 100% of the objectives for both exams, providing real world scenarios, hands-on exercises, and challenging review questions. You'll also dive deeper into some of the more complex topics and technologies, including deploying, maintaining, and upgrading Windows; managing devices and data; configuring storage and connectivity; managing apps and data; and more. Learn everything you need to know to pass the MD-100 and MD-101 exams Earn your MCA Modern Desktop Administrator certification to launch or advance your career Access exercises, review questions, flashcards, and practice exams, in the book and online Master all of the test objectives for the latest exam versions—updated for Windows 11 With this study guide, you also get access to Sybex's superior online learning environment, including an assessment test, hundreds of practice exams, flashcards, searchable glossary, and videos for many of the chapter exercises. This is the perfect test prep resource for admins preparing for certification and anyone looking to upgrade their existing skills to Microsoft's latest desktop client.

**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

**Amazon Fargate Quick Start Guide** - Deepak Vohra  
2018-07-24

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 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.

**Getting Started with Gulp - Second Edition -**  
Travis Maynard 2017-04-28

Create powerful automations with Gulp to improve the efficiency of your web project workflow

About This Book Gain a solid understanding of Gulp and write your own custom tasks from scratch Discover ways to add additional functionality to improve your tasks

Get up-and-running with new features added to the latest version of Gulp

Who This Book Is For This book is targeted at developers who are new to build systems and task runners but who have had prior experience with web development; a basic knowledge of HTML, CSS, and JavaScript is assumed. It guides the reader through the process of using Gulp to automate several common development tasks so that they can save time and focus on what is most important: writing great code.

What You Will Learn How to use a command-line interface. Learn about Gulp, Node.js, and npm and how they work together. Create a Gulpfile from scratch and implement it into a project. Write basic tasks that will concatenate, minify, compress, and pre-process your files. Write advanced tasks that will run a local server, sync file changes to your browser, and allow you to write client-side JavaScript using ES2015.

In Detail This book is a hands-on guide to get you up to speed with gulp. You will quickly learn how to install, configure, and run your own build system. It will instill you with the

ability to automate several common development tasks to vastly improve your development workflow. This book first demonstrates various Gulp use cases before running through the steps of configuring, running, and customizing Gulp, providing you with core concepts of gulp, node.js, and npm. Diving a bit deeper into the gulp ecosystem, we will discuss when and why to use a node module instead of a gulp plugin. We will also go over a few issues that we can run into while using gulp and learn about ways to work around them to improve your gulp experience. By the end of this book, you will be able to create your very own gulp build from scratch, create and maintain tasks and project builds, and automate your workflow with plugins and custom tasks.

Style and approach A step-by-step guide to help you get started with the latest features

**SSL/TLS Under Lock and Key - Paul Baka**  
2020-11-24

If you are looking for a comprehensive, soup-to-nuts resource on SSL/TLS, look no further. This book, geared towards bridging the gap between the absolute beginner and the veteran IT Professional, combines the theoretical and the practical in equal measure. The first half of our book focuses on foundational theory, covering topics such as: Symmetric vs Asymmetric cryptography One-Way functions Digital Signatures Key Generation History and Context

The second half encourages fledgling administrators to jump in with both feet, outlining the quirks of common tasks such as: Generating a signing request for a certificate (CSR) Generating a self-signed certificate (and when it is safe to do or not do so) Converting certificates between different formats including java keystores Configuring servers to meet best practices, not in a vacuum, but for the security and compatibility needs of your business vertical. Are you a systems administrator just starting out? A developer looking to not just implement, but to understand? Or perhaps SSL/TLS has been a topic you've avoided over the years because it is very dense and implementation can be fraught with fidgety pitfalls. You can read this book cover to cover, crosswalk to the copiously linked RFCs, or use it as a desk reference. This is SSL/TLS for everyone.

## **PowerShell for Beginners** - Ian Waters

2021-06-24

Learn the basic tools and commands to write scripts in PowerShell 7. This hands-on guide is designed to get you up and running on PowerShell quickly - introducing interactive menus, reading and writing files, and creating code that talks over the network to other scripts, with mini games to facilitate learning.

PowerShell for Beginners starts with an introduction to PowerShell and its components. It further discusses the various tools and commands required for writing scripts in PowerShell 7, with learning reinforced by writing mini games. You will learn how to use variables and conditional statements for writing scripts followed by loops and arrays. You will then work with functions and classes in PowerShell. Moving forward, you will go through the PowerShell Console, customizing the title and text colors. Along the way you will see how to read a key press and make sound in PowerShell. The final sections cover game engine layout, how to build a title screen, and implementing the game design using code flow, title screens, levels, and much more. After reading the book you will be able to begin working with PowerShell 7 scripts and understand how to use its tools and commands effectively. What You Will Learn Use Microsoft Visual Studio Code to develop scripts Understand variables, loops and conditional statements in PowerShell Work with scripts to develop a game Discover and use ASCII art generators Comprehend game objects and code Create client-server scripts that communicate over a network Read and write to files Capture input from the keyboard Make PowerShell speak words to help the visually impaired Create text-based adventure games Who This Book Is For Software developers who want to start working with PowerShell scripts.

## **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.

## **Azure PowerShell Quick Start Guide** -

Thomas Mitchell 2018-12-26

Leverage PowerShell to perform many day-to-day tasks in Microsoft Azure Key Features Deploy and manage Azure virtual machines with PowerShell commands. Get to grips with core concept of Azure PowerShell such as working with images and disks, custom script extension, high availability and more. Leverage hands-on projects to successfully apply what you learned through the course of this book. Book Description As an IT professional, it is important to keep up with cloud technologies and learn to manage those technologies. PowerShell is a critical tool that must be learned in order to effectively and more easily manage many Azure resources. This book is designed to teach you to leverage PowerShell to enable you to perform many day-to-day tasks in Microsoft Azure. Taking you through the basic tasks of installing Azure PowerShell and connecting to Azure, you will learn to properly connect to an Azure tenant with PowerShell. Next, you will dive into tasks such as deploying virtual machines with PowerShell, resizing them, and managing their power states with PowerShell. Then, you will learn how to complete more complex Azure tasks with PowerShell, such as deploying virtual machines from custom images, creating images from existing virtual machines, and creating and managing of data disks. Later, you will learn how to snapshot virtual machines, how to encrypt virtual machines, and how to leverage load balancers to ensure high availability with PowerShell. By the end of this book, you will



have developed dozens of PowerShell skills that are invaluable in the deployment and management of Azure virtual machines. What you will learn  
Manage virtual machines with PowerShell  
Resize a virtual machine with PowerShell  
Create OS disk snapshots via PowerShell  
Deploy new virtual machines from snapshots via PowerShell  
Provision and attach data disks to a virtual machine via PowerShell  
Load balance virtual machines with PowerShell  
Manage virtual machines with custom script extensions  
Who this book is for  
This book is intended for IT professionals who are responsible for managing Azure virtual machines. No prior PowerShell or Azure experience is needed.

Mastering Office 365 Administration - Thomas Carpe 2018-05-22

Leverage Office 365 to increase your organization's efficiency  
Key Features  
Perform common to advanced-level management and administrative tasks for your organization with Office 365  
Become an Office 365 generalist who can work with the entire stack—not just specific products  
An advanced-level guide that will teach you to implement enterprise-level services into your organization, no matter the size of the business  
Book Description  
In today's world, every organization aims to migrate to the cloud in order to become more efficient by making full use of the latest technologies. Office 365 is your one-stop solution to making your organization reliable, scalable, and fast. This book will start with an overview of Office 365 components, and help you learn how to use the administration portal, and perform basic administration. It then goes on to cover common management tasks, such as managing users, admin roles, groups, securing Office 365, and enforcing compliance. In the next set of chapters, you will learn about topics including managing Skype for Business Online, Yammer, OneDrive for Business, and Microsoft Teams. In the final section of the book, you will learn how to carry out reporting and monitor Office 365 service health. By the end of this book, you will be able to implement enterprise-level services with Office 365 based on your organization's needs. What you will learn  
Understand the vast Office 365 feature set  
Understand how workloads and applications interact and integrate with each other  
Connect

PowerShell to various Office 365 services and perform tasks  
Manage Skype for Business Online  
Get support and monitor Office 365 service health  
Manage and administer identities and groups efficiently  
Who this book is for  
This book targets architects, sys admins, engineers, and administrators who are working with Office 365 and are responsible for configuring, implementing, and managing Office 365 in their organization. A prior knowledge of Office 365 and Exchange servers is mandatory.

**From IT Pro to Cloud Pro Microsoft Office 365 and SharePoint Online** - Ben Curry 2016-10-17

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. Modernize your IT skills for the new world of cloud computing! Whether you are an IT administrator, developer, or architect, cloud technologies are transforming your role. This guide brings together the knowledge you need to transition smoothly to Microsoft Office 365 cloud-only and hybrid environments. Microsoft MVP Ben Curry and leading cloud architect Brian Laws present specific, up-to-date guidance on administering key cloud technologies, including Microsoft Office 365, SharePoint Online, Azure AD, and OneDrive for Business. Microsoft cloud technology experts Ben Curry and Brian Laws show you how to:  
Anticipate and respond to the ways cloud technologies change your responsibilities, such as scripting key management tasks via Windows PowerShell  
Understand today's new mix of essential "Cloud Pro" skills related to infrastructure, scripting, security, and networking  
Master modern cloud administration for Office 365 cloud and hybrid environments to deliver content and services, any time, on any device, from anywhere, and across organizational boundaries  
Administer and configure SharePoint Online, including services, site collections, and hybrid features  
Help secure client devices via Mobile Device Management for Office 365  
Centrally manage user profiles, groups, apps, and social features  
Bridge Office 365 and on-premises environments to share identities and data  
Enforce governance, security, and compliance  
*MCSA Guide to Installation, Storage, and*

*Compute with Microsoft Windows Server 2016, Exam 70-740* - Greg Tomsho 2017-07-26  
Packed with hands-on activities, MCSA GUIDE TO INSTALLATION, STORAGE, AND COMPUTE WITH MICROSOFT WINDOWS SERVER 2016, EXAM 70-740 equips readers to pass the MCSE/MCSA certification exam while preparing users to become a successful Microsoft networking professional. A clear presentation emphasizes the skills to manage a Windows Server 2016 system and focuses on installation, management, and configuration. Extensive coverage of all exam objectives introduces Windows Server 2016 and covers server installation, server configuration and management, storage and file systems, Hyper-V virtualization, high availability, and server maintenance and monitoring. A full chapter highlights new technologies, including Nano Server and Windows Containers. Unlike many certification-focused books, this edition goes beyond the certification objectives to provide an understanding of the core technologies built into Windows Server. Numerous hands-on activities focus on virtualization. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

PowerShell - Jack Jones 2017-10-26  
Would You Like To Learn Exactly What PowerShell Is And How You Can Make It Work For You? - NOW INCLUDES FREE GIFTS! (see below for details) Do you want to access and control of an amazing hidden system on your computer? Do you like to understand how your computer runs its systems? Do you want to start tweaking the settings on your computer but you're not sure how? Do you want to make your computer more efficient? Are you tired of only having access to the most basic systems? Do you want to take a peek under the hood of your computer system and actually understand what it is that you are looking at? Do you want to learn how to get more useful results from PowerShell? If the answer to any of these questions is yes, this book will provide you with the answers you've been looking for! In this book we will look at: The basics of using PowerShell, what the key concepts are, how things work and a little background into the program and its development. You'll learn

enough to get you up and running with PowerShell today, without all the unnecessary fluff and technobabble that you don't need to know. (We do show you how to find this if you want to. How to enable scripting so that your scripts can run and how to write killer scripts that increase efficiency and save you time and effort. Learn what providers are - here's a hint, it's not your ISP! Learn how to organize your work within the engine more effectively - after all, is anything you save worth a thing if you cannot find it again? Learn the PowerShell lingo so you can impress your friends and sound really smart. How to make sense of the results that you get and how to filter out the results that you are not interested in. You will learn how to get your computer to do all the work for you so that you only get the results that you want. PowerShell can generate a lot of data, sometimes a lot more than what you actually need. We look at how you can multitask with PowerShell and how to run longer programs in the background, freeing your system up for other tasks. You will learn how to create jobs and what commands can be very useful when it comes to controlling them. You will learn how to you can overcome a near-fatal flaw in PowerShell's security and how to use it safely and securely. You'll learn how to protect your shell from malicious hackers. We will look at the Windows Management Instrumentation and introduce you to what it actually does. We will discuss whether or not you actually need to use it and what alternatives there are out there. We will get down to the nuts and bolts of how to use variables to get more of what you want from PowerShell. We also look at writing your own functions and making them into reusable tools. We look at creating your very own cmdlets and tailoring them to your needs. We look at why your scripts aren't running as well as they should and how you can go about fixing them. We then go through how you can prevent errors from cropping up in the first place - this is as close to perfection as you are going to get with PowerShell. You also learn how to deal with errors that you cannot prevent, such as network errors and how to get PowerShell to do what you want despite these errors. We look at how you can start to customize your PowerShell experience to suit you and how you can get more out of it. We also run through a quick cheat

sheet of the different punctuation marks and how to use them. ...and much more! Take the first step towards mastering PowerShell today. Click the buy now button above for instant access. Also included are 2 FREE GIFTS! - A sample from one of my other best-selling books, and a full length, FREE BOOK included with your purchase!

**CompTIA A+ Core 2 Exam: Guide to Operating Systems and Security** - Jean Andrews 2019-03-25

Introduce IT technical support as best-selling authors and educators Andrews, West and Dark explain how to work with users as well as install, maintain, secure and troubleshoot software in COMPTIA A+ CORE 2 EXAM: GUIDE TO OPERATING SYSTEMS AND SECURITY, 10E. This step-by-step, highly visual approach uses CompTIA A+ Exam objectives as a framework to prepare students for the 220-1002 certification exam. Extensive updates reflect the most current technology, techniques and industry standards in IT support. Each chapter covers core and advanced topics with an emphasis on practical application and learning by doing. Additional coverage explores the latest developments in security, Active Directory, operational procedures, the basics of scripting, mobile operating systems, virtualization, remote support and Windows 10. In addition, Lab Manuals, CourseNotes, online labs and optional MindTap online resources provide certification test prep and interactive activities to prepare future IT support technicians. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

*Windows PowerShell Scripting 101* - Jenny Romanik 2021-03-03

Windows PowerShell is a shell that Microsoft initially developed for task automation and configuration management purposes. PowerShell is now an open source project and can be installed on platforms running Windows, MacOS, and Linux. This shell is based on the .NET framework and includes a scripting language and a command-line shell. It brings many benefits to power-users and IT professionals. However, casual users can benefit from using it too. The knowledge and skills that you gain from this book can allow you to grasp

the basics of windows Powershell scripting. THIS GUIDE contains chapters on... HISTORY OF POWERSHELL LEARNING POWERSHELL FROM THE START WHAT IS POWERSHELL ISE THE DIFFERENCE BETWEEN POWERSHELL AND CMD POWERSHELL PROVIDERS AND MODULES WHAT MAKES A POWERSHELL OBJECT? OTHER POWERSHELL COMMANDS UNDERSTANDING OF POWERSHELL FOREACH LOOP AND FOREACH-OBJECT WINDOWS POWERSHELL PROVIDERS. For the benefits of this book, buy it right now

**Microsoft Exchange Server 2007: Tony Redmond's Guide to Successful Implementation** - Tony Redmond 2011-04-08

Microsoft Exchange Server 2007 marks the biggest advancement in the history of the Exchange Product group. The completely re-engineered server system will change the face of how IT administrators approach Exchange. Tony Redmond, one of the world's most acclaimed Exchange experts, offers insider insight from the very basics of the newly transformed architecture to understanding the nuances of the new and improved Microsoft Management Console (MMC) 3.0 and the two new administrative interfaces—the Exchange Management Console (EMC) and the Exchange Management Shell (EMS). How Exchange works with Active Directory How the new management model works How to use the Exchange Management Shell to automate administrative operations How Outlook, Outlook Web Access, and Windows Mobile clients work with Exchange How Exchange 2007 message routing differs from previous versions How to help your users to use Exchange intelligently How to select hardware for Exchange 2007

**MCSA Windows Server 2016 Certification Guide: Exam 70-741** - Sasha Kranjac 2019-04-30

A comprehensive certification guide that will help you prepare for the exam from day one of your preparation journey Key FeaturesGet well-versed with the nitty-gritty of Windows server 2016A practical guide towards installing, upgrading, and migrating to Windows Server 2016Enhance your skills with practice questions and mock testsBook Description MCSA: Windows Server 2016 is one of the most sought-after certifications for IT professionals which

include working with Windows Server and performing administrative tasks around it. It targets Exam 70-740, Exam 70-741, Exam 70-742 and Exam 70-743 certifications and the demand for these certifications is increasingly high. This book will start with installation, upgrade and migration to Windows Server 2016, cover imaging and deployment and proceed with High Availability and Clustering. Then we will deep dive into fundamental concepts like Core networking, DNS, DHCP, Storage and proceed to Hyper-V, Network Access and Distributed File System. It will also explain Advanced Networking topics such as Software Defined Networking and High-Performance Networking. Furthermore, it will also cover advanced Identity topics in Windows Server 2016 such as Active Directory installation and configuration, Group Policy, Active Directory Certificate Services, and Active Directory Federation Services and Rights Management. Towards the end of this book, test questions and mock preparation items will help in preparing for the certifications with more ease. By the end of this book, you will be able to complete MCSA: Windows Server 2016 certification with more confidence. What you will learn

Prepare for exam 70-741 Networking with Windows Server 2016 Learn to apply the technology to real-world examples Learn core networking, name resolution and connectivity technologies in Windows Server 2016. Get prepared for exam 70-742 Identity with Windows Server 2016 Get ways to clear the exam 70-743 Upgrading Your Skills to MCSA: Windows Server 2016 Practice critical skills and test your knowledge of the objectives of all three MCSA exams

Who this book is for This book is targeted towards system administrators or windows server administrators who are interested in clearing the MCSA certification with ease.

[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.

**MCSA Guide to Identity with Windows Server 2016, Exam 70-742** - Greg Tomsho  
2017-10-18

Packed with a wealth of hands-on activities, MCSA GUIDE TO IDENTITY WITH WINDOWS SERVER 2016, EXAM 70-742 empowers readers to successfully pass the MCSE/MCSA certification exam while also equipping them to face the real-world challenges of a Microsoft networking professional. This engaging full-color presentation emphasizes the skills necessary to configure identity management with Windows Server 2016. Comprehensive coverage highlights advanced Active Directory configuration and management, Group Policy, Certificate Services, Identity federation, Web Application Proxy and Active Directory Rights Management. Hands-on labs and skill-reinforcing case projects give users plenty of opportunity to apply concepts to real-world practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

**MCA Modern Desktop Administrator Complete Study Guide** - William Panek  
2020-03-11

The ultimate study guide for Microsoft 365 Certified Associate (MCA) Modern Desktop certification—covers the new Exam MD-100 and the new Exam MD-101 in one book! Referred to as the Modern Desktop, Microsoft 365 is Microsoft's new suite of modern workplace services comprising Windows 10, Office 365, and Enterprise Mobility & Security. IT administrators tasked with deploying and implementing Modern Desktop are required to configure, secure, manage, and monitor devices and applications in enterprise environments. Success on the MCA Modern Desktop Administrator certification exam is essential for IT professionals seeking to expand their job opportunities and advance their careers. The MCA Modern Desktop Administrator Complete Study Guide is an indispensable resource for candidates preparing for certification. This guide covers 100% of all exam objectives for the new

Exam MD-100: Windows 10 and the new Exam-101: Managing Modern Desktops. All aspects of both new exams are covered, including in-depth information on advanced topics and technologies. Included is access to Sybex's comprehensive online learning environment—offering an assessment test, bonus practice exams, electronic flashcards, a searchable glossary, and videos for many of the chapter exercises. This must-have guide enables users to: Configure devices, core services, networking, storage, users, updates, and system and data recovery Implement, install, maintain, manage, and monitor Windows 10 Plan desktop deployment and Microsoft Intune device management solutions Manage identities, applications, remote access, and data access and protection Review real-world scenarios, hands-on exercises, and challenging practice questions The MCA Modern Desktop Administrator Complete Study Guide: Exam MD-100 and Exam MD-101 is an essential tool for anyone preparing for the exams and students and IT professionals looking to learn new skills or upgrade their existing skills.

**Guide to Supporting Microsoft Private Clouds** - Ron Carswell 2013-01-07  
GUIDE TO SUPPORTING MICROSOFT PRIVATE CLOUDS instructs future network administrators how to effectively implement and maintain Microsoft private clouds with a balance of conceptual expertise and hands-on skills. Ideal for your server administration course, this text prepares students to work with large providers, such as Amazon, Microsoft, and Google, as well as implement smaller scale cloud computing solutions within their own network environments. GUIDE TO SUPPORTING MICROSOFT PRIVATE CLOUDS begins with a conceptual foundation and by the last chapter, students have completed over 75 lab activities as they learn to put in place a high-availability cluster to support a Microsoft private cloud. Clear learning objectives, review questions, case projects, and complete instructor support further reinforce student understanding of cloud computing. Successive chapters help refine key skills students need to implement private cloud stations using Microsoft technologies, including Windows Server 2008 R2, Hyper-V virtualization, Virtual Machine Manager, Self-

Service Portal, Virtual Desktop Infrastructure (VDI), Storage Server, Failover Cluster Manager, and Windows PowerShell. To encourage teamwork, lab activities are designed for three-member teams who share private cloud stations consisting of three networked servers. Rely on *GUIDE TO SUPPORTING MICROSOFT PRIVATE CLOUDS* to teach your students the private cloud computing skills they will need now and in the future. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

*Learn PowerShell Scripting in a Month of Lunches* - Don Jones 2017-11-11

Summary Discover how scripting is different from command-line PowerShell, as you explore concrete hands-on examples in this handy guide. The book includes and expands on many of the techniques presented in *Learn PowerShell Toolmaking in a Month of Lunches*. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Automate it! With Microsoft's PowerShell language, you can write scripts to control nearly every aspect of Windows. Just master a few straightforward scripting skills, and you'll be able to eliminate repetitive manual tasks, create custom reusable tools, and build effective pipelines and workflows. Once you start scripting in PowerShell, you'll be amazed at how many opportunities you'll find to save time and effort. About the Book *Learn PowerShell Scripting in a Month of Lunches* teaches you how to expand your command-line PowerShell skills into effective scripts and tools. In 27 bite-size lessons, you'll discover instantly useful techniques for writing efficient code, finding and squashing bugs, organizing your scripts into libraries, and much more. Advanced scripters will even learn to access the .NET Framework, store data long term, and create nice user interfaces. What's Inside Designing functions and scripts Effective pipeline usage Dealing with errors and bugs Professional-grade scripting practices About the Reader Written for devs and IT pros comfortable with PowerShell and Windows. About the Authors Don Jones is a PowerShell MVP, speaker, and trainer who has written dozens of books on information

technology topics. Jeffery Hicks is a PowerShell MVP and an independent consultant, trainer, and author. Don and Jeff coauthored Manning's *Learn Windows PowerShell in a Month of Lunches*, *Learn PowerShell Toolmaking in a Month of Lunches*, and *PowerShell in Depth*. Table of Contents PART 1 - INTRODUCTION TO SCRIPTING Before you begin Setting up your scripting environment WWPd: what would PowerShell do? Review: parameter binding and the PowerShell pipeline Scripting language crash course The many forms of scripting (and which to use) Scripts and security PART 2 - BUILDING A POWERSHELL SCRIPT Always design first Avoiding bugs: start with a command Building a basic function and script module Going advanced with your function Objects: the best kind of output Using all the pipelines Simple help: making a comment Dealing with errors Filling out a manifest PART 3 - GROWN-UP SCRIPTING Changing your brain when it comes to scripting Professional-grade scripting An introduction to source control with git Pester your script Signing your script Publishing your script PART 4 - ADVANCED TECHNIQUES Squashing bugs Making script output prettier Wrapping up the .NET Framework Storing data-not in Excel! Never the end

**Microsoft Exam MD-100 Windows 10 Certification Guide** - Jeroen Burgerhout 2020-05-22

An administrator's guide to deploying, configuring, securing, managing, and monitoring devices and client applications in an enterprise environment and passing Exam MD-100: Windows 10 easily Key Features Equip yourself to earn the Microsoft 365 Certified: Modern Desktop Administrator Associate certification Develop the skills needed to pass the Exam MD-100 and advance in your organization Learn to install Windows 10 operating systems and deploy and manage modern desktops and devices Book Description *Microsoft Exam MD-100 Windows 10 Certification Guide* offers complete, up-to-date coverage of the MD-100 exam, helping you take the exam with confidence, fully equipped to pass on the first attempt. Complete with a clear, succinct explanation of key concepts, self-assessment questions, tips, and mock exams

with detailed answers, this MD-100 study guide covers different facets of upgrading and deploying Windows 10. You'll learn how to manage devices and data, configure connectivity, troubleshoot OS and app problems, and secure and maintain Windows 10 with updates and recovery. You'll also explore different Windows 10 editions and learn how to choose the best fit for your organization. This book will guide you in installing and configuring Windows 10 using different approaches. As you advance, you'll get to grips with managing local users and groups in Windows 10 and learn how to establish connections via different networks, such as a LAN and WLAN/Wi-Fi. By the end of this book, you'll have covered everything you need to pass the MD-100 certification exam and become a Microsoft 365 Certified: Modern Desktop Administrator Associate. What you will learn

- Deploy Windows 10 in a variety of ways
- Manage local users, groups, and devices
- Configure networking and remote connectivity
- Gain insights into Windows 10 maintenance
- Customize different Windows 10 features
- Become an expert at troubleshooting and recovery
- Get to grips with managing log files
- Monitor and manage Windows security

Who this book is for This book is for both experienced and novice IT administrators who work with deploying, configuring, securing, and monitoring devices. Anyone with a working knowledge of managing identity, access, policies, updates, and apps can take this exam. Although not necessary, experience with Microsoft 365 workloads, Windows 10 devices, and non-Windows devices will be helpful.

*Docker Quick Start Guide* - Earl Waud  
2018-11-29

Develop and build your Docker images and deploy your Docker containers securely. Key Features

- Learn Docker installation on different types of OS
- Get started with developing Docker images
- Use Docker with your Jenkins CI/CD system

Book Description Docker is an open source software platform that helps you with creating, deploying, and running your applications using containers. This book is your ideal introduction to Docker and containerization. You will learn how to set up a Docker development environment on a Linux, Mac, or Windows workstation, and learn your

way around all the commands to run and manage your Docker images and containers. You will explore the Dockerfile and learn how to build your own enterprise-grade Docker images. Then you will learn about Docker networks, Docker swarm, and Docker volumes, and how to use these features with Docker stacks in order to define, deploy, and maintain highly-scalable, fault-tolerant multi-container applications. Finally, you will learn how to leverage Docker with Jenkins to automate the building of Docker images and the deployment of Docker containers. By the end of this book, you will be well prepared when it comes to using Docker for your next project. What you will learn

- Set up your Docker workstation on various platforms
- Utilize a number of Docker commands with parameters
- Create Docker images using Dockerfiles
- Learn how to create and use Docker volumes
- Deploy multi-node Docker swarm infrastructure
- Create and use Docker local and remote networks
- Deploy multi-container applications that are HA and FT
- Use Jenkins to build and deploy Docker images

Who this book is for This guide is for anyone who needs to make a quick decision about using Docker for their next project. It is for developers who want to get started using Docker right away.

**Microsoft Azure Essentials - Fundamentals of Azure** - Michael Collier 2015-01-29

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

- Azure Websites and Azure Cloud Services
- Azure Virtual Machines
- Azure Storage
- Azure Virtual Networks
- Databases
- Azure Active Directory Management tools
- Business scenarios

Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

**Microsoft Office 365 Administration**

**Cookbook** - Nate Chamberlain 2020-09-11

Make the most out of your investment in Office 365 apps and services with this Microsoft Office

cookbook Key Features Learn how to manage and secure the entire Office 365 stack in addition to specific services Delve into newer and frequently shifting areas such as Power Platform, Microsoft Teams, and Microsoft Search administration Discover carefully selected techniques that cover a range of administrative tasks of varying difficulty levels Book Description Organizations across the world have switched to Office 365 to boost workplace productivity. However, to maximize investment in Office 365, you need to know how to efficiently administer Office 365 solutions. Microsoft Office 365 Administration Cookbook is packed with recipes to guide you through common and not-so-common administrative tasks throughout Office 365. Whether you're administering a single app such as SharePoint or organization-wide Security & Compliance across Office 365, this cookbook offers a variety of recipes that you'll want to have to hand. The book begins by covering essential setup and administration tasks. You'll learn how to manage permissions for users and user groups along with automating routine admin tasks using PowerShell. You'll then progress through to managing core Office 365 services such as Exchange Online, OneDrive, SharePoint Online, and Azure Active Directory (AD). This book also features recipes that'll help you to manage newer services such as Microsoft Search, Power Platform, and

Microsoft Teams. In the final chapters, you'll delve into monitoring, reporting, and securing your Office 365 services. By the end of this book, you'll have learned about managing individual Office 365 services along with monitoring, securing, and optimizing your entire Office 365 deployment efficiently. What you will learn Get to grips with basic Office 365 setup and routine administration tasks Manage Office 365 identities and groups efficiently and securely Harness the capabilities of PowerShell to automate common administrative tasks Configure and manage core Office 365 services such as Exchange Online, SharePoint, and OneDrive Configure and administer fast-evolving services such as Microsoft Search, Power Platform, Microsoft Teams, and Azure AD Get up and running with advanced threat protection features provided by the Microsoft 365 Security & Compliance Center Protect your organization's sensitive data with Office 365 Data Loss Prevention Monitor activities and behaviors across all Office 365 services Who this book is for This book is for newer Office 365 administrators and IT pros alike, and comes with recipes of varying difficulty levels along with step-by-step guidance. Whether you are new to Office 365 administration or just seeking new ideas, this cookbook contains recipes to enhance your organization's app and service management and productivity.