Mastering System Center 2012 Configuration Manager

A beginner's guide to help you design, deploy and administer your System Center Operations Manager 2016 and 2012 R2 environments About This Book Discover how to monitor complex IT environments with System Center Operations Manager using tips, tricks and best practice recommendations from industry experts. Learn how to create eye-catching dashboards and reports to help deliver a tangible return on investment back to your organization. Optimize, troubleshoot and perform disaster recovery in Operations Manager using step by step examples based on real-world scenarios. Who This Book Is For The target audience for this book is the IT Pro or System Administrator who wants to deploy and use System Center Operations Manager but has no previous knowledge of the product. As a 'Getting Started' book, our primary objective is to equip you with the knowledge you need to feel comfortable when working with common monitoring scenarios in OpsMgr. With this in mind, deep-diving into less-common OpsMgr features such as Audit Collection Services (ACS), Agentless Exception Monitoring (AEM) and Application Performance Monitoring (APM) has been intentionally omitted. What You Will Learn Install a new System Center 2016 Operations Manager Management Group Design and provision custom views to relevant support teams. Understand how to deploy agents Work with management packs Monitor network devices Model your IT services with distributed applications Create dashboards and custom visualizations Tune, optimize, maintain and troubleshoot System Center Operations Manager In Detail Most modern IT environments comprise a heterogeneous mixture of servers, network devices, virtual hypervisors, storage solutions, cross-platform operating systems and applications. All this complexity brings a requirement to deliver a centralized monitoring and reporting solution that can help IT administrators quickly identify where the problems are and how best to resolve them. Using System Center Operations Manager (OpsMgr), administrators get a full monitoring overview of the IT services they have responsibility for across the organization - along with some useful management capabilities to help them remediate any issues they've been alerted to. This book begins with an introduction to OpsMgr and its core concepts and then walks you through designing and deploying the various roles. After a chapter on exploring the consoles, you will learn how to deploy agents, work with management packs, configure network monitoring and model your IT services using distributed applications. There's a chapter dedicated to alert tuning and another that demonstrates how to visualize your IT using dashboards. The final chapters in the book discuss how to create alert subscriptions, manage reports, backup and recover OpsMgr, perform maintenance and troubleshoot common problems. Style and approach A beginner's guide that focuses on providing the practical skills required to effectively deploy and administer OpsMgr with walkthrough examples and tips on all the key concepts.

This is the comprehensive reference and technical guide to Microsoft System Center Configuration Manager 2012. A team of expert authors offers step-by-step coverage of related topics in every feature area, organized to help IT professionals rapidly optimize Configuration Manager 2012 for their requirements, and then deploy and use it

successfully. The authors begin by introducing Configuration Manager 2012 and its goals, and explaining how it fits into the broader System Center product suite. Next, they fully address planning, design, and implementation. Finally, they systematically cover each of Configuration Manager 2012's most important feature sets, addressing issues ranging from configuration management to software distribution. Readers will learn how to use Configuration Manager 2012's user-centric capabilities to provide anytime/anywhere services and software, and to strengthen both control and compliance. The first book on Configuration Manager 2012, System Center Configuration Manager 2012 Unleashed joins Sams' market-leading series of books on Microsoft's System Center product suite: books that have achieved go-to status amongst IT implementers and administrators worldwide.

Fully updated for Windows Server 2012 R2! Prepare for Microsoft Exam 70-410 - and help demonstrate your real-world mastery of implementing and configuring core services in Windows Server 2012 R2. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical thinking and decision making acumen needed for success at the MCSA level. Focus on the expertise measured by these objectives: Install and configure servers Configure server roles and features Configure Hyper-V Deploy and configure core network services Install and administer Active Directory Create and manage Group Policy This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you. An essential guide on the latest version of Microsoft's server management tool Microsoft's powerful Mastering System Center 2012 Operations Manager introduces many exciting new and enhanced feature sets that allow for large-scale management of mission-critical servers. This comprehensive guide provides invaluable coverage to help organizations monitor their environments across computers, network, and storage infrastructures while maintaining efficient and effective service levels across their applications. Provides intermediate and advanced coverage of all aspects of Systems Center 2012 Operations Manager, including designing, planning, deploying, managing, maintaining, and scripting Operations Manager Offers a hands-on approach by providing many real-world scenarios to show you how to use the tool in various contexts Anchors conceptual explanations in practical application Mastering System Center 2012 Operations Manager clearly shows you how this powerful server management tool can best be used to serve your organization's needs.

Part of a series of specialized guides on System Center - this book shares real-world expertise for using Configuration Manager capabilities to deliver more effective IT services. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key deployment and management scenarios.

This book is perfect for IT administrators who are looking to enhance their skills on system and asset management. A fair understanding of the core elements and applications related to SCCM would be helpful.

System Center Configuration Manager Current Branch provides a total systems management solution for a people-centric world. It can deploy applications to individuals using virtually any device or platform, centralizing and automating management across on-premise, service provider, and Microsoft Azure environments. In System Center Configuration Manager Current Branch Unleashed, a team of world-

renowned System Center experts shows you how to make the most of this powerful toolset. The authors begin by introducing modern systems management and offering practical strategies for coherently managing today's IT infrastructures. Drawing on their immense consulting experience, they offer expert guidance for ConfigMgr planning, architecture, and implementation. You'll walk through efficiently performing a wide spectrum of ConfigMgr operations, from managing clients, updates, and compliance to reporting. Finally, you'll find current best practices for administering ConfigMgr, from security to backups. Detailed information on how to: Successfully manage distributed, people-centric, cloud-focused IT environments Optimize ConfigMgr architecture, design, and deployment plans to reflect your environment Smoothly install ConfigMgr Current Branch and migrate from Configuration Manager 2012 Save time and improve efficiency by automating system management Use the console to centralize control over infrastructure, software, users, and devices Discover and manage clients running Windows, macOS, Linux, and UNIX Define, monitor, enforce, remediate, and report on all aspects of configuration compliance Deliver the right software to the right people with ConfigMgr applications and deployment types Reliably manage patches and updates, including Office 365 client updates Integrate Intune to manage on-premise and mobile devices through a single console Secure access to corporate resources from mobile devices Manage Microsoft's enterprise antimalware platform with System Center Endpoint Protection Using this guide's proven techniques and comprehensive reference information, you can maximize the value of ConfigMgr in your environment–no matter how complex it is or how quickly it's changing.

Part of a series of specialized guides on System Center - this book delivers a focused overview of network virtualization capabilities and cloud computing scenarios. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key technical scenarios and considerations. Maximize your administration skills effectively and efficiently Key Features Implement cost-effective virtualization solutions for your organization with actionable recipes Explore the concepts of VMM with real-world use cases Use the latest features with VMM 2016 such as Cluster OS Rolling Upgrade, Guarded Fabric and Storage Spaces Direct Book Description Virtual Machine Manager (VMM) 2016 is part of the System Center suite to configure and manage datacenters and offers a unified management experience on-premises and Azure cloud. This book will be your best companion for day-to-day virtualization needs within your organization, as it takes you through a series of recipes to simplify and plan a highly scalable and available virtual infrastructure. You will learn the deployment tips, techniques, and solutions designed to show users how to improve VMM 2016 in a real-world scenario. The chapters are divided in a way that will allow you to implement the VMM 2016 and additional solutions required to effectively manage and monitor your fabrics and clouds. We will cover the most important new features in VMM 2016 across networking, storage, and compute, including brand new Guarded Fabric, Shielded VMs and Storage Spaces Direct. The recipes in the book provide step-by-step instructions giving you the simplest way to dive into VMM fabric concepts, private cloud, and integration with external solutions such as VMware, Operations Manager, and the Windows Azure Pack. By the end of this book, you will be armed with the knowledge you require to start designing and implementing virtual infrastructures in VMM 2016. What you will learn Plan and design a VMM architecture for real-world deployment Configure fabric resources, including compute, networking, and storage Create and manage Storage Spaces Direct clusters in VMM Configure Guarded Fabric with Shielded VMs Create and deploy virtual machine templates and multi-tier services Manage Hyper-V and VMware environments from

VMM Enhance monitoring and management capabilities Upgrade to VMM 2016 from previous versions Who this book is for If you are a solutions architect, technical consultant, administrator, or any other virtualization enthusiast who needs to use Microsoft System Center Virtual Machine Manager in a real-world environment, then this is the book for you. Troubleshoot all the aspects of your Configuration Manager installation, from basic easy checks to the advanced log files and serious issues About This Book Learn to troubleshoot Configuration Manager 2012 based versions of Microsoft System Center Understand the usability of tools and find resolutions to all the issues of Configuration Manager A step-by-step practical guide with the necessary screenshots and examples Who This Book Is For If you are new to Configuration Manager or have experience with it, and are interested in identifying, diagnosing and resolving the System Center Configuration Manager administration issues then this book is for you. What You Will Learn Fix your clients and install them correctly Understand how your Configuration Manager hierarchy works Extend your error information Troubleshoot Configuration Manager roles Know your options when faced with problems Prevent future problems occurring In Detail Microsoft System Center Configuration Manager is the most popular enterprise client management solution in the world with some of the best features available. Troubleshooting this product, however, is not always as simple as you might want, not least getting to know the hundreds of log files and understanding how the various components work. The book starts with discussing the most commonly used tools for troubleshooting the variety of problems that can be seen in Configuration Manager. It then moves to providing a high level view of the available log files, their locations, what they relate to and what they typically contain. Next, we will look at how we can fully utilize and extend all the available information from the console monitoring pane through to the status messages and down into error logging with some further reaches into WMI, SQL, registry and the file structure. You will then learn what the common error codes mean, how to make sense of the less common ones and what they actually mean with respect to Configuration Manager. Further to this, you will pick up widely acknowledged best practices both from a proactive stance when carrying out your daily administrative tasks and also from a reactive position when the green lights start to turn red right down to a complete failure situation. By the end of the book, you will be competent enough to identify and diagnose the root causes of System Center Configuration Manager administration issues and resolving them. Style and approach An easy to follow yet practical guide that will advise you on what tools and information you have available to troubleshoot with, if you can extend that information and what to look for solving the issues.

Get a head start evaluating Windows 10--with early technical insights from award-winning journalist and Windows expert Ed Bott. This guide introduces new features and capabilities, providing a practical, high-level overview for IT professionals ready to begin deployment planning now. This book is a preview, a work in progress about a work in progress. It offers a snapshot of the Windows 10 Technical Preview as of April 2015, on the eve of the BUILD Developers' Conference in San Francisco.

Take a deep dive into the world of Windows desktop deployment using the Microsoft Deployment Toolkit About This Book Learn Microsoft Deployment Toolkit best practices and how to adopt them into your deployment project Troubleshoot task sequence errors and quickly resolve deployment blockers An easy-to-follow, in-depth guide to image creation, customization, and deployment of Windows Who This Book Is For This book is ideal for those deploying or planning to deploy Windows, in need of a top-to-bottom guide on project deployment. It is also an invaluable resource for consultants who need a top-to-bottom guide (or just a refresher) on project deployment. What You Will Learn Build a production-ready MDT environment Administer the environment for multiple users Customize your reference image with an MDT Task Sequence Create standalone media for offline deployments Customize the

default user profile according to the version of Windows Get to grips with some troubleshooting steps and processes to reduce the time for recovery of a failed image Customize and create Windows images for deployment Discover useful tips and tricks to help save time in your deployment projects In Detail The Microsoft Deployment Toolkit (MDT) provides a comprehensive collection of tools, processes, and guidance for automating desktop and server deployments. It considerably reduces deployment time and standardizes desktop and server images. Moreover, MDT offers improved security and ongoing configuration management. Microsoft Deployment Toolkit is the official supported method of creating and customizing Windows images for deployment. Starting from scratch, this book walks you through the MDT setup, task sequence creation, and image deployment steps in detail. Breaking down the various MDT concepts, this book will give you a thorough understanding of the deployment process. Beginning with imaging concepts and theory, you will go on to build a Microsoft Deployment Toolkit environment. You will understand the intricacies of customizing the default user profile in different versions of Windows. Driver handling can be a challenge for larger organizations; we'll cover various driver concepts including mandatory driver profiles.]Other important topics like the User State Migration Tool (USMT), configuration of XML files, and how to troubleshoot the USMT are also discussed in the book. We will cover the verifier and Windows Performance Toolkit for image validation scenarios. Furthermore, you will learn about MDT web frontend implementation as well as how to utilize the database capabilities of MDT for deeper deployment options. We'll wrap it all up with some links to resources for more information, blogs to watch, and useful Twitter handles. Style and approach This is a comprehensive guide written using a step-by-step approach. It begins with the basics and gradually moves on to the advanced topics MDT.

Go-to guide for using Microsoft's updated Hyper-V as avirtualization solution Windows Server 2012 Hyper-V offers greater scalability, newcomponents, and more options than ever before for large enterprisesystems and small/medium businesses. Windows Server 2012 Hyper-VInstallation and Configuration Guide is the place to startlearning about this new cloud operating system. You'll get up tospeed on the architecture, basic deployment and upgrading, creatingvirtual workloads, designing and implementing advanced networkarchitectures, creating multitenant clouds, backup, disasterrecovery, and more. The international team of expert authors offers deep technicaldetail, as well as hands-on exercises and plenty of real-worldscenarios, so you thoroughly understand all features and how bestto use them. Explains how to deploy, use, manage, and maintain the WindowsServer 2012 Hyper-V virtualization solutions in large enterprisesand small- to medium-businesses Provides deep technical detail and plenty of exercises showingyou how to work with Hyper-V in real-world settings Shows you how to quickly configure Hyper-V from the GUI and usePowerShell to script and automate common tasks Covers deploying Hyper-V hosts, managing virtual machines,network fabrics, cloud computing, and using file servers Also explores virtual SAN storage, creating guest clusters,backup and disaster recovery, using Hyper-V for Virtual DesktopInfrastructure (VDI), and other topics Help make your Hyper-V virtualization solution a success withWindows Server 2012 Hyper-V Installation and ConfigurationGuide.

This is the ultimate source for the working IT Professional who wants to design and implement System Center 2012 Configuration Manager in a midsize- or small-business environment. Enterprise administrators also will find a lot inspiration by reading the book, as many of the features and scenarios discussed fit all three environments. The book is packed with real-world scenarios taken from 15 years of experience with SMS and ConfigMgr projects. By following the book from A-Z, you will end up with a ConfigMgr environment that is based on best practices and production ready.

Intended for developers and end-users, instructional manual and reference features case descriptions, examples, practical advice, clear descriptions of standards, user exercises, and

quiz questions. (Computer Books)

Providing an overview of Cloud Computing in an enterprise environment, this resource describes the benefits and challenges of Cloud Computing and then leads the reader through the process of assessing the suitability of a cloud-based approach for a given situation. Completely revised for the SP1 version of System Center 2012 Configuration Manager. This is the ultimate source for the working IT Professional who wants to design and implement System Center 2012 Configuration Manager SP1 in a midsize- or small-business environment. Enterprise administrators also will find a lot of inspiration, as many of the features and scenarios discussed fit all three environments. The book is packed with real-world scenarios taken from 15 years of experience with SMS and ConfigMgr projects. By following the book from A-Z, you will end up with a ConfigMgr environment that is based on best practices and production ready.

Check out the new Hyper-V, find new and easier ways to remotely connect back into the office, or learn all about Storage Spaces—these are just a few of the features in Windows Server 2012 R2 that are explained in this updated edition from Windows authority Mark Minasi and a team of Windows Server experts led by Kevin Greene. This book gets you up to speed on all of the new features and functions of Windows Server, and includes real-world scenarios to put them in perspective. If you're a system administrator upgrading to, migrating to, or managing Windows Server 2012 R2, find what you need to do the job in this complete resource. Learn all about: Installing or upgrading to and managing Windows Server 2012 R2 Understanding Microsoft NIC teams 2012 and PowerShell Setting up via GUI or updated Server Core 2012 Migrating, merging, and modifying your Active Directory Managing address spaces with IPAM Understanding new shared storage, storage spaces, and better tools Controlling access to file shares—a new and improved approach Using and administering Remote Desktop, Virtual Desktop, and Hyper-V®

Completely revised for System Center 2012 R2 Configuration Manager. This is the ultimate source for the working IT Professional who wants to design and implement System Center 2012 R2 Configuration Manager in a midsize- or small-business environment. Enterprise administrators also will find a lot of inspiration, as many of the features and scenarios discussed fit all three environments. The book is packed with real-world scenarios taken from 17 years of experience with SMS and ConfigMgr projects. By following the book from A-Z, you will end up with a ConfigMgr environment that is based on best practices and production ready.

Build a seamless, flexible, full-service datacenter solution Microsoft Windows Server 2016 Hyper-V is the IT administrator's guide to this rising datacenter solution. Hyper-V has already surpassed VMWare in datacenter management, identity service for multiple devices, and more; this book shows you how to harness the power of this hypervisor to simplify the infrastructure, reduce costs, improve productivity, and better manage system resources. From a tour of the

technology through architecture, deployment, and integration of System Center, Microsoft Azure, and Microsoft Azure Stack, the discussion illustrates the skills you need to create a complete solution for optimum enterprise management. Coverage includes Windows Azure capabilities for virtual machines, managing a hybrid cloud, IaaS, storage capabilities, PowerShell, and more, with practical real-world guidance from a leading authority in the field. Hyper-V has recently undergone improvements in scalability and features that have positioned it as an ideal solution in the Small/Medium Business and Enterprise markets. This book shows you how to exploit these new capabilities to build a robust data solution for your organization. Discover the capabilities of Microsoft Hyper-V Architect a Hyper-V datacenter solution Plan and manage a deployment or migration Integrate complementary technologies for full scalability Data is everywhere—on desktops, laptops, phones, and multiple operating systems, accessed through email, text messages, web searches, online services, and more. All of this data must be stored, accessible, updated, backed up, secured, managed, sorted, and analyzed—sometimes instantly. Hyper-V is the rising star in the virtualization space, and Microsoft Windows Server 2016 Hyper-V shows you how to turn greater capabilities into better datacenter solutions.

The IT pro's must-have guide to Windows Server 2016 Mastering Windows Server 2016 is a complete resource for IT professionals needing to get quickly up to date on the latest release. Designed to provide comprehensive information in the context of real-world usage, this book offers expert guidance through the new tools and features to help you get Windows Server 2016 up and running quickly. Straightforward discussion covers all aspects, including virtualization products, identity and access, automation, networking, security, storage and more, with clear explanations and immediately-applicable instruction. Find the answers you need, and explore new solutions as Microsoft increases their focus on security, software-defined infrastructure, and the cloud; new capabilities including containers and Nano Server, Shielded VMs, Failover Clustering, PowerShell, and more give you plenty of tools to become more efficient, more effective, and more productive. Windows Server 2016 is the ideal server for Windows 10 clients, and is loaded with new features that IT professionals need to know. This book provides a comprehensive resource grounded in real-world application to help you get up to speed quickly. Master the latest features of Windows Server 2016 Apply new tools in real-world scenarios Explore new capabilities in security, networking, and the cloud Gain expert guidance on all aspect of Windows Server 2016 migration and management System administrators tasked with upgrading, migrating, or managing Windows Server 2016 need a one-stop resource to help them get the job done. Mastering Windows Server 2016 has the answers you need, the practicality you seek, and the latest information to get you up to speed quickly.

Presents a guide to the newest version of Microsoft System Center, providing instructions and tips on asset management, security reporting, and data

protection within managed environments for data centers and cloud environments.

Book + Content Update Program This is the most comprehensive and realistic guide to Windows Server 2016 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2016's key innovations, from the cloud and containers to security and mobility. Windows Server 2016 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2016 in large-scale environments since its earliest alpha releases. Microsoft MVP Rand Morimoto and colleagues fully address all aspects of deploying and operating Windows Server 2016, including Active Directory, networking, application services, security, administration, business continuity, virtualization, optimization, and troubleshooting. You'll find up-to-the-minute coverage of new features ranging from Storage Spaces Direct to Cluster-Aware Updating, and Dynamic Access Control to Nano Server. Valuable for Windows pros at all levels, this book will be indispensable especially for intermediate-to-advanced level professionals seeking expert, in-depth solutions. Every chapter contains tips, tricks, best practices, and lessons learned from actual deployments—practical help for solving real problems. Detailed information on how to: Take full advantage of key Windows Server 2016 innovations Plan, prototype, install, migrate to, and deploy Windows Server 2016 and Server Core Design a modern Windows Server Active Directory, from OUs and infrastructure to Federated Forests and Lightweight Directories Deliver reliable networking services: DNS, WINS, DNSSEC, DHCP, IPv, IPAM, and IIS Systematically harden server-level security Protect data in transit with PKI, certificates, rights management, and IPsec encryption Safely provide appropriate remote and mobile access for your users Efficiently administer, automate, maintain, and document Windows Server production environments Control Windows devices centrally with Group Policies and Policy Management Implement advanced fault tolerance, clustering, and other business continuity features Optimize, tune, and debug Windows Server, and plan for growth Leverage integrated application services, including SharePoint and Hyper-V In addition, this book is part of InformIT's Content Update Program, which provides content updates for major technology improvements! As significant updates are made to WIndows Server 2016, sections of this book will be updated or new sections will be added to match the updates to the technologies. As updates become available, they will be delivered to you via a free Web Edition of this book, which can be accessed with any Internet connection. To learn more, visit informit.com/cup. How to access the Web Edition: Follow the instructions in the book to learn how to register your book to access the FREE Web Edition.

The bestselling guide to Exchange Server, fully updated forthe newest version Microsoft Exchange Server 2013 is touted as a solution forlowering the total cost of ownership, whether deployed on-premisesor in the cloud. Like the earlier

editions, this comprehensiveguide covers every aspect of installing, configuring, and managingthis multifaceted collaboration system. It offers Windows systemsadministrators and consultants a complete tutorial and reference,ideal for anyone installing Exchange Server for the first time orthose migrating from an earlier Exchange Server version. Microsoft Exchange Server 2013 is a messaging system thatallows for access to e-mail, voicemail, and calendars from avariety of devices and any location, making it ideal for theenterprise With more than 21,000 copies of earlier editions sold, thiscomprehensive guide offers systems administrators and consultantsboth a tutorial and a reference guide for installing and managingExchange Server 2013 A team of Microsoft Certified Masters walks you step by stepthrough planning and design, installation, administration andmanagement, maintenance, and more Mastering Microsoft Exchange Server 2013 is the completereference for planning, installing, and maintaining the mostpopular e-mail server product available.

This book will help you understand the capabilities of MicrosoftHyper-V, architect a Hyper-V solution for your datacenter, plan adeployment/migration, and then manage it all using native tools andSystem Center. Coverage also includes hybrid cloud scenariosspecifically with Windows Azure to complete the full virtualizationpiece of providing data both on premise and off premise. In addition, you will explore the Windows Azure capabilities forvirtual machines and managing a hybrid cloud, including WindowsAzure's Internet as a Service (IaaS) and storagecapabilities, how seamless management is possible with PowerShelland System Center, plus how Azure Storage can play a part in acompany's complete solution. Key topics covered include: virtualization fundamentals, networkvirtualization, storage configuration, Hyper-V management andmaintenance, failover clustering and migration, Hyper-V replica andcloud orchestration, private cloud implementation, Azure IaaS,Azure storage, managing with PowerShell, Hyper-V decoding, andWindows Server 2012 R2 integration.

Part of a series of specialized guides on System Center - this book focuses on troubleshooting Configuration Manager, which is used to manage a wide range of Microsoft client platforms, server platforms, and mobile devices. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key troubleshooting tasks and solutions.

Understand, create, deploy, and maintain a public cloud usingMicrosoft Azure Mastering Microsoft Azure Infrastructure Services guidesyou through the process of creating and managing a public cloud andvirtual network using Microsoft Azure. With step-by-stepinstruction and clear explanation, this book equips you with theskills required to provide services both on-premises andoff-premises through full virtualization, providing a deeperunderstanding of Azure's capabilities as an infrastructure service.Each chapter includes online videos that visualize and enhance theconcepts presented in the book, and access to a Windows app thatprovides instant Azure updates and demonstrates the process ofgoing from on-premises to public cloud via Azure. Coverage includesstorage customization, connectivity, virtual networks, backing up,hybrid environments, System Center management, and more, giving youeverything you need to understand, evaluate, deploy, and maintainenvironments

that utilize Microsoft Azure. Understand cost, options, and applications of Infrastructure asa Service (IaaS) Enable on- and off-premises connectivity to Azure Customize Azure templates and management processes Exploit key technologies and embrace the hybridenvironment Mastering Microsoft Azure Infrastructure Services is yourtotal solution.

If you are a Microsoft System Center administrator who manages System Center environments and utilizes the console for management, then this book is ideal for you. This book is also for System Center users who now want to learn to manage systems using PowerShell.

Designed to help enterprise administrators develop real-world, job-role-specific skills—this Training Guide focuses on deploying and managing core infrastructure services in Windows Server 2012. Build hands-on expertise through a series of lessons, exercises, and suggested practices—and help maximize your performance on the job. This Microsoft Training Guide: Provides in-depth, hands-on training you take at your own pace Focuses on job-role-specific expertise for deploying and managing Windows Server 2012 core services Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-410 Coverage includes: Deploying Servers and Domain Controllers Remote Management Administering Active Directory Network Administration Using Group Policy Provisioning and Managing Storage Deploying Hyper-V Hosts Deploying and Managing Virtualized Workloads Deploying File Servers Managing Print Services

This book is written in practical cookbook style and it offers learning through vivid examples and. Each chapter contains step-by-step instructions about everything necessary to execute a particular task. The book is designed so that you can read it from start to end for beginners or just open up any chapter and start following the recipes as a reference for advanced users, This book will be useful to IT professionals including System Center Service Manager administrators who want to configure and administer System Center Service Manager 2012 and understand how to solve specific problems and scenarios that arise while using System Center Service Manager. It will also be useful to users of 2010 in learning new features and capabilities.

A comprehensive and practical guide to Windows Server 2016 About This Book In-depth coverage of new features of Windows Server 2016 Gain the necessary skills and knowledge to design and implement Microsoft Server 2016 in enterprise environment Know how you can support your medium to large enterprise and leverage your experience in administering Microsoft Server 2016, A practical guide to administering Windows server 2016 Who This Book Is For The book is targeted at System Administrators and IT professionals who would like to design and deploy Windows Server 2016 (physical and logical) Enterprise infrastructure. Previous experience of Windows Server operating systems and familiarity with networking concepts is assumed. System administrators who are upgrading or migrating to Windows Server 2016 would also find this book useful. What You Will Learn Familiarize yourself with Windows Server 2016 ideology, the core of most datacenters running today New functions and benefits provided only by the new Windows Server 2016 Get comfortable working with Nanoserver Secure your network with new technologies in Server 2016 Harden your Windows Servers to help keep those bad guys out! Using new built-in integration for Docker with this latest release of Windows Server 2016 Virtualize your

datacenter with Hyper-V In Detail Windows Server 2016 is the server operating system developed by Microsoft as part of the Windows NT family of operating systems, developed concurrently with Windows 10. With Windows Server 2016, Microsoft has gotten us thinking outside of the box for what it means to be a system administration, and comes with some interesting new capabilities. These are exciting times to be or to become a server administrator! This book covers all aspects of administration level tasks and activities required to gain expertise in Microsoft Windows Server 2016. You will begin by getting familiar and comfortable navigating around in the interface. Next, you will learn to install and manage Windows Server 2016 and discover some tips for adapting to the new server management ideology that is all about centralized monitoring and configuration. You will deep dive into core Microsoft infrastructure technologies that the majority of companies are going to run on Server 2016. Core technologies such as Active Directory, DNS, DHCP, Certificate Services, File Services, and more. We will talk about networking in this new operating system, giving you a networking toolset that is useful for everyday troubleshooting and maintenance. Also discussed is the idea of Software Defined Networking. You will later walk through different aspects of certificate administration in Windows Server 2016. Three important and crucial areas to cover in the Remote Access role -- DirectAccess, VPN, and the Web Application Proxy -- are also covered. You will then move into security functions and benefits that are available in Windows Server 2016. Also covered is the brand new and all-important Nano Server! We will incorporate PowerShell as a central platform for performing many of the functions that are discussed in this book, including a chapter dedicated to the new PowerShell 5.0. Additionally, you will learn about the new built-in integration for Docker with this latest release of Windows Server 2016. The book ends with a discussion and information on virtualizing your datacenter with Hyper-V. By the end of this book, you will have all the ammunition required to start planning for and implementing Windows Server 2016. Style and approach This book offers a practical and wide coverage of all features of brand new Microsoft Server 2016 along with tips on daily administration tasks.

Smartphones, eBook readers, and tablet computers like the Apple iPad have forever changed the way people access and interact with content. Your customers expect the content you provide them to be adaptive --responding to the device, their location, their situation, and their personalized needs. Authors Ann Rockley and Charles Cooper provide insights and guidelines that will help you develop a unified content strategy—a repeatable, systematic plan that can help you reach your customers, anytime, anywhere, on any device. This up-to-date new edition of Managing Enterprise Content helps you: Determine business requirements Build your vision Design content that adapts to any device Develop content models, metadata, and workflow Put content governance in place Adapt to new and changed roles Identify tools requirements With this book you'll learn to design adaptable content that frees you from the tyranny of an ever increasing array of devices.

Get up to date quickly with clear, expert coverage of SCCM 2016 Mastering System Center Configuration Manager provides comprehensive coverage of Microsoft's powerful network software deployment tool, with a practical hands-on approach. Written by Santos Martinez, Peter Daalmans, and Brett Bennett, this guide walks you through SCCM 2016 with in-depth explanations anchored in real-

world applications to get you up to speed quickly. Whether you're planning a new installation or migrating from a previous version of Configuration Manager, this book provides clear instruction and expert insight to get the job done right. Fully aligned with the latest release, the discussion covers the newest tools and features with examples that illustrate utility in a variety of contexts. System Center Configuration Manager (formerly SMS) is one of Microsoft's flagship products; the 2016 release has been updated with better Windows 10 and Windows Server 2016 compatibility, improved tools for managing non-Microsoft mobile devices in the cloud, and more. This book provides start-to-finish coverage and expert guidance on everything you need to get your system up to date. Deploy software and operating systems Automate processes and customize configurations Monitor performance and troubleshoot issues Manage security in the cloud and on Virtual Machines SCCM 2016 improves your ability to handle the bring-your-own-device influx in managing mobile, streamlining the latest hiccup right into the everyday workflow. Mastering System Center Configuration Manager provides the practical coverage you need to get up and running seamlessly.

Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on core infrastructure administration for Windows Server 2012 R2. Build hands-on expertise through a series of lessons, exercises, and suggested practices - and help maximize your performance on the job. This Microsoft Training Guide: Focuses on job-role-specific expertise for core infrastructure administration tasks Fully updated for Windows Server 2012 R2, including new practices Provides in-depth, hands-on training you take at your own pace Creates a foundation of skills which, along with on-the-job experience, can be measured by Microsoft Certification exams such as 70-411 Topics include: Deploying and updating Windows Server 2012 R2 Managing account policies and service accounts Configuring name resolution Administering Active Directory Managing Group Policy application and infrastructure Configuring Group Policy settings and preferences Administering network policies Administering remote access Managing file services Monitoring and auditing Windows Server 2012 R2 Provides information on planning and managing Windows Server 2012, including tips on troubleshooting, workarounds, and handling system administration tasks. Summary Learn System Center Configuration Manager in a Month of Lunches is a super-practical guide to Microsoft System Center Configuration Manager. In this book, you'll cut to the chase and learn the administrative procedures and techniques that will keep your systems humming smoothly. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. About the Technology Businesses rely on a complex patchwork of client computers, physical and virtual servers, middleware, mobile devices, and cloud services. Microsoft System Center Configuration Manager (SCCM) sits in the middle of this mix, providing a single

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

Over 50 simple but incredibly effective recipes for installing and managing System Center 2012 Endpoint Protection in this book and e-book.

The one book you absolutely need to get up and running with Windows Server 2008 R2. One of the world's leading Windows authorities and top-selling author Mark Minasi explores every nook and cranny of the latest version of Microsoft's flagship network operating system, Windows Server 2008 R2, giving you the most in-depth coverage in any book on the market. Focuses on Windows Windows Server 2008 R2, the newest version of Microsoft's Windows' server line of operating system, and the ideal server for new Windows 7 clients Author Mark Minasi is one of the world's leading Windows authorities and has taught tens of thousands of people to design and run Windows networks Covers Windows storage concepts and skills, Windows Server 2008 IP, WINS, NetBIOS, LMHosts, DNS, creating the simple Active Directory, and creating and managing user accounts Explains Group Policy in Active Directory; files, folders and shares; Sysvol, old and new; sharing printers on the network; remote server administration; connecting Windows clients to your network; working the Web

with IIS 7.0; and AD maintenance and recovery Provides workarounds for things that don't quite work as they should and how-tos for many undocumented features Find out everything you want to know-and then some!

Enhance and secure your datacenter with the newest Microsoft server platform Key Features Develop necessary skills to design and implement Microsoft Server 2019 in enterprise environment Provide support to your medium to large enterprise and leverage your experience in administering Microsoft Server 2019 Effectively administering Windows server 2019 with the help of practical examples Book Description Mastering Windows Server 2019 – Second Edition covers all of the essential information needed to implement and utilize this latest-and-greatest platform as the core of your data center computing needs. You will begin by installing and managing Windows Server 2019, and by clearing up common points of confusion surrounding the versions and licensing of this new product. Centralized management, monitoring, and configuration of servers is key to an efficient IT department, and you will discover multiple methods for quickly managing all of your servers from a single pane of glass. To this end, you will spend time inside Server Manager, PowerShell, and even the new Windows Admin Center, formerly known as Project Honolulu. Even though this book is focused on Windows Server 2019 LTSC, we will still discuss containers and Nano Server, which are more commonly related to the SAC channel of the server platform, for a well-rounded exposition of all aspects of using Windows Server in your environment. We also discuss the various remote access technologies available in this operating system, as well as guidelines for virtualizing your data center with Hyper-V. By the end of this book, you will have all the ammunition required to start planning for, implementing, and managing Windows. What you will learn Work with the updated Windows Server 2019 interface, including Server Core and Windows Admin Center Secure your network and data with new technologies in Windows Server 2019 Learn about containers and understand the appropriate situations to use Nano Server Discover new ways to integrate your data center with Microsoft Azure Harden your Windows Servers to help keep the bad guys out Virtualize your data center with Hyper-V Who this book is for If you are a System Administrator or an IT professional interested in designing and deploying Windows Server 2019 then this book is for you. Previous experience of Windows Server operating systems and familiarity with networking concepts is required.

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