Microsoft System Center Virtual Machine Manager 2012 Cookbook

System Center 2016 Virtual Machine Manager Cookbook, Microsoft System Center Virtual Machine Manager 2012 Cookbook System Center 2012 R2 Virtual Machine Manager Cookbook **Microsoft System Center Deploying Hyper-V with Software-Defined Storage & Networking** Microsoft System Center 2012 Unleashed *Mastering Virtual Machine Manager 2008 R2* **Microsoft System Center Enterprise Suite Unleashed Mastering Hyper-V 2012 R2 with System Center and Windows Azure Introducing Microsoft System Center 2012 R2 System Center Operations Manager 2007 Unleashed** *Microsoft System Center 2012 Unleashed Microsoft System Center Building a Virtualized Network Solution* **Microsoft Virtualization with Hyper-V : Manage Your Datacenter with Hyper-V, Virtual PC, Virtual Server, and Application Virtualization** *Learning System Center App Controller* **Mastering System Center Data Protection Manager 2007 ExamRef 70-745 Implementing a Software-Defined DataCenter Mastering Hyper-V Deployment Microsoft System Center Deploying Hyper-V with Software-Defined Storage & Networking** *Pro Microsoft Hyper-V 2019* **MCTS Windows Server Virtualization Configuration Study Guide Mastering System Center Configuration Manager Microsoft Virtualization Secrets** System Center Operations Manager (OpsMgr) 2007 R2 Unleashed **System Center 2012 Operations Manager Unleashed Mastering System Center 2012 Operations Manager Microsoft System Center Optimizing Service Manager** Introducing Windows Server 2012 R2 *Microsoft System Center* **Windows Server 2008 Hyper-V Resource Kit Implementing Azure Cloud Design Patterns** *Data Protection for Virtual Data Centers* **Microsoft System Center Data Protection Manager Cookbook** The Real MCTS/MCITP Exam 70-646 Prep Kit Hyper-V Best Practices **Microsoft System Center Operations Manager Field Experience Hyper-V for VMware Administrators Exam 70-413 Designing and Implementing a Server Infrastructure System Center 2012 R2 Configuration Manager Unleashed Windows Server 2008 Hyper-V Unleashed** *Managing Microsoft Hybrid Clouds*

Getting the books **Microsoft System Center Virtual Machine Manager 2012 Cookbook** now is not type of challenging means. You could not forlorn going gone ebook gathering or library or borrowing from your associates to retrieve them. This is an unconditionally easy means to specifically acquire lead by on-line. This online revelation Microsoft System Center Virtual Machine Manager 2012 Cookbook can be one of the options to accompany you later having new time.

It will not waste your time. take on me, the e-book will agreed publicize you new business to read. Just invest tiny become old to entrance this on-line message **Microsoft System Center Virtual Machine Manager 2012 Cookbook** as capably as review them wherever you are now.

Implementing Azure Cloud Design Patterns May 04 2020 A hands-on guide to mastering Azure cloud design patterns and best practices. Key Features Master architectural design patterns in Azure. Get hands-on with implementing design patterns. Implement best practices for improving efficiency and security Book Description A well designed cloud infrastructure covers factors such as consistency, maintenance, simplified administration and development, and reusability. Hence it is important to choose the right architectural pattern as it has a huge impact on the quality of cloud-hosted services. This book covers all Azure design patterns and functionalities to help you build your cloud infrastructure so it fits your system requirements. This book initially covers design patterns that are focused on factors such as availability and data management/monitoring. Then the focus shifts to complex design patterns such as multitasking, improving scalability, valet keys, and so on, with practical use cases. The book also supplies best practices to improve the security and performance of your cloud. By the end of this book, you will thoroughly be familiar with the different design and architectural patterns available with Windows Azure and capable of choosing the best pattern for your system. What you will learn Learn to organize Azure access Design the core areas of the Azure Execution Model Work with storage and data management Create a health endpoint monitoring pattern Automate early detection of anomalies Identify and secure Azure features Who this book is for This book is targeted at cloud architects and cloud solution providers who are looking for an extensive guide to implementing different patterns for the deployment and maintenance of services in Microsoft Azure. Prior experience with Azure is required as the book is completely focused on design patterns.

Microsoft System Center Building a Virtualized Network Solution Nov 21 2021 Part of a series of specialized guides on System Center - this book provides focused drilldown into building a virtualized network solution. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key build, configuration, and implementation tasks.

System Center Operations Manager 2007 Unleashed Jan 24 2022 Provides information on the design, deployment, and configuration of OpsMgr 2007, covering such topics as setting up ACS, establishing client monitoring, and developing management packs and reports.

Microsoft System Center 2012 Unleashed Dec 23 2021 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.

Introducing Microsoft System Center 2012 R2 Feb 22 2022 NOTE: This title is also available as a free eBook. It is offered for sale in print format as a convenience. Get a head start evaluating System Center 2012 R2 - with technical insights from a Microsoft MVP and members of the System Center product team. This guide introduces new features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Preview new features and enhancements, including: Virtual Machine Manager App Controller Configuration Manager Data Protection Manager Operations Manager Advisor Service Manager Orchestrator

Microsoft System Center Jul 06 2020 Explains how to use App Controller to manage virtual machines and services on private and public clouds.

Mastering System Center Configuration Manager Feb 10 2021 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 and running seamlessly. 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.

The Real MCTS/MCITP Exam 70-646 Prep Kit Jan 30 2020 This exam is designed to validate skills as a Windows Server 2008 Server Administrator. This exam will fulfill the Windows Server 2008 IT Professional requirements of Exam 70-646. The Microsoft Certified IT Professional(MCITP) on Windows Server 2008 credential is intended for information technology (IT) professionals who work in the complex computing environment of medium to large companies. The MCITP candidate should have at least one year of experience implementing and administering a network operating system in an environment that has the following characteristics: 250 to 5,000 or more users; three or more physical locations; and three or more domain controllers. A MCITP Server Administrator is responsible for the operations and day-to-day management of an infrastructure of servers for an enterprise organization. Server administrators manage the infrastructure, web, and IT application servers, and use scripts to accomplish tasks on a regular basis. They conduct most server management tasks remotely by using Terminal Server or administration tools installed on their local workstation. MCITP Server Administrators also support engineering projects, and are responsible for server builds and configuration. * Targeted at MCSE/MCSA upgraders, AND new MCITP certification seekers. * Interactive FastTrack e-learning modules help simplify difficult exam topics * Two full-function ExamDay practice exams guarantee double coverage of all exam objectives * Free download of audio FastTracks for use with iPods or other MP3 players * Comprehensive study guide guarantees 100% coverage of all Microsoft's exam objectives

Microsoft System Center Operations Manager Field Experience Nov 29 2019 Part of a series of specialized guides on System Center, this book focuses on Microsoft System Center Operations Manager. For the seasoned professional, it covers the role of the Operations Manager product, the best practices for working with management packs, how to use the reporting feature to simplify managing the product, how to thoroughly troubleshoot, and how to use and install Operations Manager in the Microsoft Azure Public Cloud environment.

Pro Microsoft Hyper-V 2019 Apr 14 2021 Successfully create and manage your Hyper-V environment without any of the marketing fluff. This book's lab-driven, hands-on approach will get you up and running as quickly and efficiently as possible. Virtualization is the cornerstone of today's data center. As a modern-day IT pro, you are required to manage environments that are in a regular state of flux and increasing in both size and complexity. To keep up, you need practical information in a format that is succinct, yet comprehensive and highly applicable. Pro Hyper-V 2019 breaks down critical and time-saving topics into a series of easy-to-digest chapters, showing you how to perform Hyper-V management tasks using both GUI and PowerShell-based tools. Building on your existing knowledge of Windows Server management, Active Directory, networking, and storage, experts and Microsoft MVPs Syrewicze and Siddaway begin with a foundation of why computing workloads are virtualized. This is followed by chapters covering the range of management tasks associated with virtualized environments, including: managing hosts and guest machines; networking, storage, and high availability (host and guest); disaster recovery and virtual machine migration; and monitoring. What You'll Learn Apply practical information to administer your Hyper-V environments Understand multiple administration styles (GUI, command line, and automation) Written by IT pros for IT pros – just the information you really need without the padding Administer and use containers Utilize hands-on labs to learn about storage, networking, and high availability Who This Book Is For IT administrators tasked with implementing Hyper-V environments or migrating from VMware. IT pros joining a team that is responsible for managing Hyper-V and "lone administrators" covering the gamut in smaller organizations will also find this book indispensable.

Mastering System Center 2012 Operations Manager Oct 09 2020 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.

Microsoft System Center Data Protection Manager Cookbook Mar 02 2020 Over 60 recipes to achieve a robust and advanced backup and recovery solution leveraging SCDPM Key FeaturesAdapt to the modern data center design challenges and improve storage efficiencyEffective recipes to help you create your own robust architectural designs Solve data protection

and recovery problems in your organizationBook Description System Center Data Protection Manager (SCDPM) is a robust enterprise backup and recovery system that contributes to your BCDR strategy by facilitating the backup and recovery of enterprise data. With an increase in data recovery and protection problems faced in organizations, it has become important to keep data safe and recoverable. This book contains recipes that will help you upgrade to SCDPM and it covers the advanced features and functionality of SCDPM. This book starts by helping you install SCDPM and then moves on to post-installation and management tasks. You will come across a lot of useful recipes that will help you recover your VMware and Hyper-V VMs. It will also walk you through tips for monitoring SCDPM in different scenarios. Next, the book will also offer insights into protecting windows workloads followed by best practices on SCDPM. You will also learn to back up your Azure Stack Infrastructure using Azure Backup. You will also learn about recovering data from backup and implementing disaster recovery. Finally, the book will show you how to configure the protection groups to enable online protection and troubleshoot Microsoft Azure Backup Agent. What you will learnInstall and prepare SQL Server for the SCDPM databaseReduce backup storage with SCDPM and data deduplicationLearn about the prerequisites for supported Hyper-V Server protectionIntegrate SCDPM with other System Center products to build optimal servicesProtect and restore the SCDPM databaseProtect your data center by integrating SCDPM with Azure BackupManually create online recovery points and recover production data from AzureProtect and learn about the requirements to recover Azure Stack with SCDPMWho this book is for If you are an SCDPM administrator, this book will help you verify your knowledge and provide you with everything you need to know about the new release of System Center Data Protection Manager.

System Center 2012 Operations Manager Unleashed Nov 09 2020 'System Center Operations 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. The book provides coverage of planning, installation, and migration; configuration; and much more --

Microsoft System Center Virtual Machine Manager 2012 Cookbook Oct 01 2022 This is a Packt Cookbook, full with over 75 recipes for VMM users to carry out vital tasks quickly and easily.This book is written for solutions architects, technical consultants, administrators, and any other virtualization lover who needs to use Microsoft System Center Virtual Machine Manager in a real world environment.

Introducing Windows Server 2012 R2 Aug 07 2020 NOTE: This title is also available as a free eBook on the Microsoft Download Center. It is offered for sale in print format as a convenience. Get a head start evaluating Windows Server 2012 R2 - with technical insights from a Microsoft MVP and members of the Windows Server product team. Based on final Windows Server 2012 R2 release-to-manufacturing (RTM) software, this guide introduces new features and capabilities, with scenario-based advice on how the platform can meet the needs of your business. Get the high-level overview you need to begin preparing your deployment now. Coverage includes: Server virtualization and cloud solutions Availability and scalability Provisioning and storage management Security features, access, and data protection Infrastructure options Server management and automation

Windows Server 2008 Hyper-V Resource Kit Jun 04 2020 In-depth and comprehensive, this official RESOURCE KIT delivers the information you need to plan, implement, and manage a virtualized enterprise infrastructure. Covers R2 features. You get authoritative technical guidance from those who know the technology best—leading industry experts and the Windows Virtualization Team—along with sample scripts, job aids, and other essential resources. Get expert advice on how to: Manage the project visioning phase—scope, risks, budget Design Hyper-V server infrastructure and components Apply the steps and tools that streamline installation Configure single or multiple Hyper-V servers Plan a server workload consolidation strategy Use console-based tools to manage central and remote operations Minimize downtime when migrating from Microsoft Virtual Server to Hyper-V Apply security best practices Implement business continuity and recovery plans Monitor health and tune performance CD features: Library of Windows PowerShell scripts for automating Hyper-V management tasks Understanding Microsoft Virtualization Solutions From Desktop to Datacenter eBook Job aids and links to useful virtualization-related resources and tools Fully searchable eBook of this guide A Note Regarding the CD or DVD For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Windows Server 2008 Hyper-V Unleashed Jul 26 2019 Using the Hyper-V virtualization capabilities built into Windows Server 2008, organizations can slash costs for power, space, and maintenance, and dramatically improve IT flexibility at the same time. This is the first book to offer comprehensive, independent, real-world coverage of planning, designing, implementing, and supporting Windows Server 2008 Hyper-V virtualization environments. Authored by Rand Morimoto and Jeff Guillet—top consultants of Microsoft technologies with unsurpassed experience deploying Hyper-V in enterprise organizations—this book delivers start-to-finish guidance for every facet of your virtualization initiative. Leverage the experience from hundreds of real world implementations of Hyper-V and Virtual Machine Manager 2008 in your deployment of a virtualized server environment Implement best practices for planning, prototyping, and deploying Hyper-V—including strategies, processes, and templates Install and configure Windows 2008 Server with Windows Hyper-V Services Provide guest operating systems ranging from Windows 2003 Server to Linux Administer Hyper-V Host Servers as standalone hosts or in multiple host environments Optimize Hyper-V Host Server and guest sessions, by efficiently allocating memory, processors, disk space, and other resources Move from basic server virtualization to a systematically managed virtual enterprise environment Use Virtual Machine Manager 2008 to centrally monitor all your Hyper-V hosts and guest sessions Quickly provision new guest images wherever and whenever you need them Implement reliable failover processes to overcome failures in guest sessions, host systems, or sites Troubleshoot problems with both Hyper-V hosts and guest operating systems

MCTS Windows Server Virtualization Configuration Study Guide Mar 14 2021 The MCTS is Windows Server Virtualization Configuring exam, and is Microsoft's newest addition to their exam repertoire and tests candidates' ability to use Hyper-V and server virtualization as part of their network infrastructure solution. The exam targets IT professionals who are looking to enhance their skills and distinguish themselves from the rest of the pack. This guide reviews the tasks that are mandatory for candidates to know: installing Hyper-V, configuring and optimizing Hyper-V, deploying virtual machines, and managing and monitoring virtual machines. The CD-ROM contains coverage of the exam objectives, real-world scenarios, hands-on exercises, and challenging review questions. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. For Instructors: Teaching supplements are available for this title.

System Center 2012 R2 Configuration Manager Unleashed Aug 26 2019 Annotation 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.

Hyper-V Best Practices Dec 31 2019 This book is intended for those who already have some basic experience with Hyper-V and now want to gain additional capabilities and knowledge of Hyper-V. If you have used Hyper-V in a lab environment before and now want to close the knowledge gap to transfer your Hyper-V environment to production, this is the book for you!

Mastering Virtual Machine Manager 2008 R2 May 28 2022 One-of-a-kind guide from Microsoft insiders on Virtual Machine Manager 2008 R2! What better way to learn VMM 2008 R2 than from the high-powered Microsoft program managers themselves? This stellar author team takes you under the hood of VMM 2008 R2, providing intermediate and advanced coverage of all features. Walks you through Microsoft's new System Center Virtual Machine Manager 2008, a unified system for managing all virtual and physical assets; VMM 2008 not only supports Windows Server 2008 Hyper-V, but also VMware ESXas well! Features a winning author team behind the new VMM Describes all the new and enhanced features of VMM 2008 R2 and devotes ample time to how it also supports top competitors VMware ES Uses a hands-on approach, giving you plenty of practical examples to clarify concepts Open this in-depth guide and discover techniques and processes you can put to immediate use.

Microsoft System Center Deploying Hyper-V with Software-Defined Storage & Networking Jul 30 2022 Focused technical guidance from System Center experts Part of a series of specialized guidance on System Center--this book provides a single end-to-end resource on Microsoft's software-defined datacenter solution built upon Windows Server 2012 R2 Hyper-V and System Center 2012 R2 Virtual Machine Manager. The book walks you through a proof of concept (POC) deployment of a software-defined compute, storage, and networking infrastructure, starting from racking bare-metal servers through to the streamlined deployment of virtual machines.

Microsoft Virtualization with Hyper-V : Manage Your Datacenter with Hyper-V, Virtual PC, Virtual Server, and Application Virtualization Oct 21 2021 Implement a Hyper-V virtualization solution Microsoft Virtualization with Hyper-V shows you how to deploy Microsoft's next-generation hypervisor-based server virtualization technology in a corporate environment. You'll get step-by-step guidelines for getting Hyper-V up and running, followed by best practices for building a larger, fault-tolerant solution using System Center Virtual Machine Manager 2008. This hands-on guide explains how to migrate physical systems to the virtual environment; use System Center Operations Manager; and secure, back up, and restore your Hyper-V solution. Plan and implement a Hyper-V installation Configure Hyper-V components Install and configure System Center Virtual Machine Manager 2008 Create and manage virtual machines Back up and restore virtual machines Monitor, back up, and restore the virtual solution Secure your Hyper-V environment Understand the virtual desktop infrastructure Use third-party virtualization tools for Hyper-V

Managing Microsoft Hybrid Clouds Jun 24 2019 If you're an IT professional, manager, consultant, or architect who wants to learn about hybrid cloud computing using Azure, then this is the book for you.

Microsoft System Center Optimizing Service Manager Sep 07 2020 Part of a series of specialized guides on System Center - this book provides focused guidance for deploying and customizing Service Manager, an integrated platform for automating and adapting an organization's IT service management best practices. Led by series editor Mitch Tulloch, a team of System Center experts step you through key technical scenarios and tasks.

Data Protection for Virtual Data Centers Apr 02 2020 Essential information on how to protect data in virtual environments! Virtualization is changing the data center architecture and as a result, data protection is is quickly evolving as well. This unique book, written by an industry expert with over eighteen years of data storage/backup experience, shows you how to approach, protect, and manage data in a virtualized environment. You'll get up to speed on data protection problems, explore the data protection technologies available today, see how to adapt to virtualization, and more. The book uses a "good, better, best" approach, exploring best practices for backup, high availability, disaster recovery, business continuity, and more. Covers best practices and essential information on protecting data in virtualized enterprise environments Shows you how to approach, protect, and manage data while also meeting such challenges as return on investment, existing service level agreements (SLAs), and more Helps system and design architects understand data protection issues and technologies in advance, so they can design systems to meet the challenges Explains how to make absolutely critical services such as file services and e-mail more available without sacrificing protection Offers best practices and solutions for backup, availability, disaster recovery, and others This is a must-have guide for any Windows server and application administrator who is charged with data recovery and maintaining higher uptimes.

Learning System Center App Controller Sep 19 2021 This book is intended for IT professionals working with Hyper-V, Azure cloud, VMM, and private cloud technologies who are looking for a quick way to get up and running with System Center 2012 R2 App Controller. To get the most out of this book, you should be familiar with Microsoft Hyper-V technology. Knowledge of Virtual Machine Manager is helpful but not mandatory.

System Center Operations Manager (OpsMgr) 2007 R2 Unleashed Dec 11 2020 This up-to-the-minute supplement to System Center Operations Manager 2007 Unleashed brings together practical, in-depth information about System Operations Manager 2007, including major enhancements introduced with the R2 release, as well as essential information on other products

and technologies OpsMgr integrates with and relies upon. Drawing on their unsurpassed deployment experience, four leading independent OpsMgr experts with a half dozen leading subject matter experts show how to take full advantage of new Unix/Linux cross platform extensions, Windows Server 2008 and SQL Server 2008 integration, PowerShell extensions, and much more. They also present in-depth coverage of using OpsMgr with virtualization, authoring new management packs, and maximizing availability. A detailed " OpsMgr R2 by Example" appendix presents indispensable tuning and configuration tips for several of OpsMgr R2's most important management packs. This book also contains the world's most compre- hensive collection of OpsMgr R2 reference links. Discover and monitor Linux and Unix systems through OpsMgr with the new Cross Platform Extensions Utilize Microsoft's upgraded management packs and templates for monitoring operating systems, services, and applications Monitor your system with the Health Explorer and new Visio add-in Create OpsMgr 2007 R2 reports and queries utilizing SQL Server 2008 Understand how Windows Server 2008 and OpsMgr integrate Use PowerShell and the OpsMgr Shell to automate common management tasks Efficiently manage virtualized environments (Hyper-V or ESX vCenter) Author your own OpsMgr custom management packs Implement advanced high availability and business continuity management Use targeting to apply the appropriate monitoring to each component Master advanced ACS techniques for noise filtering, access hardening, and auditing

Exam Ref 70-745 Implementing a Software-Defined DataCenter Jul 18 2021 Prepare for Microsoft Exam 70-745–and help demonstrate your real-world mastery of skills needed to build and manage software-defined infrastructure with Windows Server 2016 and System Center 2016 Virtual Machine Manager (SC VMM). 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 MCSE level. Focus on the expertise measured by these objectives: • Plan and implement System Center Virtual Machine Manager (VMM) core infrastructure • Implement Software-Defined Networking (SDN) • Implement software-defined storage • Implement datacenter compute solutions with Virtual Machine Manager (VMM) • Secure your software-defined datacenter • Monitor and maintain the software-defined datacenter This Microsoft Exam Ref: • Organizes its coverage by exam objectives • Features strategic, what-if scenarios to challenge you • Assumes you have experience with System Center 2012 R2 Virtual Machine Manager and Windows Server 2016 networking, storage, Hyper-V, and Hyper-V Clusters About the Exam Exam 70-745 focuses on skills and knowledge for implementing a software-defined datacenter with Windows Server 2016 and Microsoft System Center 2016 Virtual Machine Manager (SCVMM). About Microsoft Certification Passing this exam earns you credit towards the Microsoft Certified Solutions Expert (MCSE): Cloud Platform and Infrastructure certification, validating that you have skills needed to run a highly efficient and modern data center, with expertise in cloud technologies, identity and systems management, virtualization, storage, and networking. See full details at: microsoft.com/learning

Hyper-V for VMware Administrators Oct 28 2019 Learn to deploy and support Hyper-V, building on what you know about VMware's vSphere. Whether you're looking to run both hypervisors in parallel or migrate completely, Hyper-V for VMware Administrators has everything you need to get started. The book begins with an overview of Hyper-V basics, including common management tasks such as creating a virtual machine and building a virtual network. You'll learn how to deploy a failover cluster to protect against the risk of Hyper-V becoming a single point of failure, and how to make virtual machines fault tolerant. System Center Virtual Machine Manager (SCVMM) is the preferred tool for managing large Hyper-V deployments, so you'll get to know this next and how it differs from VMware's vCenter solution, as well as how to manage a mixed environment including both vSphere and Hyper-V deployments. Like any server migration, a virtual server migration requires careful planning to ensure success. You'll find information here on the specifics of migrating from vSphere to Hyper-V, planning for down time, IP address differences, performance considerations, and more. For migrations to Hyper-V, SCVMM is once again the preferred tool, but you'll also be introduced to some of the excellent free tools available. One easily overlooked aspect of the migration process is the way in which it impacts your backup and recovery strategy. Knowing the best practices here can help you protect your Hyper-V environment. The book also covers how to monitor and maintain your Hyper-V environment once it's up and running, using features like Cluster-Aware Updating, automated live migrations, and availability sets. The concluding chapter shows you how to take advantage of the efficiencies provided by virtual machine libraries and templates. Approach Hyper-V with confidence, and the knowledge that you've planned for success, with Hyper-V for VMware Administrators.

Exam 70-413 Designing and Implementing a Server Infrastructure Sep 27 2019 This Microsoft Official Academic Course (MOAC) IT Professional curriculum prepares certification students for success every step of the way. This 70-413 Designing and Implementing a Server Infrastructure exam course is the first of a series of two exams Microsoft Certified Solutions Associates (MCSE) candidates are required to pass to gain the MCSE: Windows Server 2012 and Windows Server 2012 R2 certification. These MCSE exams test the skills and knowledge necessary to design, implement, and maintain a Windows Server 2012 infrastructure in an enterprise scaled, highly virtualized environment. Passing these exams confirms students' ability to plan, configure, and implement the Windows Server 2012 services, such as server deployment, server virtualization, and network access and infrastructure. This complete ready-to-teach MOAC program is mapped to all of the exam objectives.

Microsoft System Center Deploying Hyper-V with Software-Defined Storage & Networking May 16 2021

Mastering System Center Data Protection Manager 2007 Aug 19 2021 Simple backups are no longer enough. To fully protect a modern IT infrastructure, you need sophisticated data protection technologies. This comprehensive guide to Microsoft's new System Center Data Protection Manager 2007 (DPM) will help you improve your server security using this robust new software. The book thoroughly explains DPM's unique abilities, and you'll find step-by-step instructions on setting up and deployment. You'll learn how to recover critical data and monitor processes for Exchange Server, SQL Server, SharePoint Server, Microsoft Virtual Server virtual machines, and Windows file servers and workstations.

Microsoft Virtualization Secrets Jan 12 2021 Unbeatable advice and expert tips for evaluating, designing, and deploying virtualization solutions If you're an IT professional, you know that virtualization is essential in today's computer infrastructures. This valuable reference is your key to all things Microsoft virtualization. Written by a Microsoft Most Valuable Professional (MVP), it breaks down all the various technologies, what they mean to your organization in terms of saving money and solving problems, and how to design and deploy various solutions effectively. You'll find invaluable tips and information on such topics as Hyper-V, the changes that Windows 8 brings, private cloud scenarios, and more. Written by well-known 11-time Microsoft MVP, Windows expert, and Microsoft insider, John Savill Provides practical advice and expert insights on understanding, evaluating, designing, and deploying virtualization solutions Keeps you up to date with how Windows 8 and Windows Server " 8" affect your virtualization processes Covers virtualization in all its forms--machine, application, and user Explores the private cloud and public cloud and what they mean to your organization Focuses on Microsoft solutions such as Hyper-V, but also delves into Citrix, Quest solutions, AppSense, and other Microsoft partner solutions Discusses bringing your own device requirements through VDI and session virtualization and which one is right Features video demonstrations and walkthroughs of some processes Microsoft Virtualization Secrets is like having a built-in Microsoft expert on hand to help you avoid mistakes and save time!

System Center 2012 R2 Virtual Machine Manager Cookbook Aug 31 2022 This book is a step-by-step guide packed with recipes that cover architecture design and planning. The book is also full of deployment tips, techniques, and solutions. 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. We assume that you have previous experience with Windows 2012 R2 and Hyper-V.

Microsoft System Center Enterprise Suite Unleashed Apr 26 2022 Microsoft System Center Enterprise Suite Unleashed is the first and only definitive real-world guide to the entire Microsoft System Center Enterprise Suite. It brings together tips, tricks, best practices, and lessons learned by top consultants who've deployed System Center in some of the world's largest enterprises and most successful small businesses. Drawing on years of early adopter and production experience, Rand Morimoto, Chris Amaris, and their team cover the entire System Center lifecycle and its components for system configuration, operations management, data protection, virtual machine management, help desk support, change management, asset control, capacity planning, and mobile device management. You'll learn about individual components and how to integrate them to build automated, exceptionally efficient managed environments. For smaller businesses, the book also presents Microsoft's streamlined, lower-cost IT management offering, System Center Essentials 2010. Use System Center Configuration Manager 2007 to image, update, manage, and support servers and clients Proactively monitor your systems to identify and fix problems before they fail Use System Center Data Protection Manager 2010 to provide reliable, timely backup/recovery Implement and manage all aspects of virtualization, including virtual guest sessions on both Microsoft Hyper-V and VMware Make the most of System Center Service Manager 2010's integrated tools for managing help desks, incidents, assets, and changes Use System Center Capacity Planner to properly size, procure, and deploy new systems Remotely track, secure, patch, update, and support mobile devices with System Center Mobile Device Manager Simplify small business IT management with System Center Essentials 2010's wizards and auto-configuration components

Mastering Hyper-V Deployment Jun 16 2021 The only book to take an in-depth look at deploying Hyper-V Now in its second generation, the popular Hyper-V boasts technical advances that create even more dynamic systems than ever before. This unique resource serves an authoritative guide to deploying Windows Server 2008 R2 Hyper-V comprehensively. Step-by-step instructions demonstrate how to design a Hyper-V deployment, build a Hyper-V host environment, and design a management system with System Center Virtual Machine Manager 2008 R2. Features real-world examples that show you how to design a Hyper-V deployment, build a Hyper-V host environment, and design a management system Walks you through incorporating System Center Operations Manager 2008 R2, System Center Data Protection Manager 2010, and System Center Essentials 2010 Offers authoritative coverage of Hyper-V security, business continuity, and an array of VM roles, including domain controllers, Exchange Server, SQL Server, and System Center This in-depth guide is the ultimate resource for system administrators, engineers, and architects, and IT consultants deploying Hyper-V.

Microsoft System Center 2012 Unleashed Jun 28 2022 This is the definitive real-world guide to Microsoft System Center 2012, Microsoft's newest and most powerful version of System Center. Authored by consultants who've deployed System Center in hundreds of enterprises and innovative smaller businesses, this book brings together up-to-the-minute tips, tricks, and techniques you just won't find anywhere else. You'll learn how to use System Center's powerful capabilities to build highly-efficient managed environments that encompass datacenters, cloud environments, client computers, mobile devices, and more. The authors address planning, design, implementation, integration, and administration, and cover every component, including Configuration Manager, Operations Manager, Data Protection Manager, Virtual Machine Manager, Service Manager, and Orchestrator. Use Configuration Manager 2012 to deliver software and updates in highly-distributed environments including datacenters, clouds, and mobile devices Reliably manage and report on assets with Configuration Manager 2012 Perform monitoring, alerting, operations, and security reporting with Operations Manager 2012 Use Data Protection Manager 2012to protect file systems, SQL, Microsoft Exchange, and SharePoint Leverage Data Protection Manager 2012's improved central monitoring and remote recovery Run Hyper-V virtualized environments with VMM 2012—including new private clouds and mixed private/public fabrics Use Service Manager 2012 to provide top-down integration, and use Orchestrator 2012 for bottom-up process automation and integration " glue" Give users an efficient self-service portal for creating service and incident requests and browsing service catalogs Manage service offerings and implement enterprise-wide change control with Service Manager 2012 Ensure compliance by creating, executing, and repeating auditable, documented processes with Orchestrator 2012

System Center 2016 Virtual Machine Manager Cookbook, Nov 02 2022 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.

Mastering Hyper-V 2012 R2 with System Center and Windows Azure Mar 26 2022 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.