

System Center 2012 R2 Virtual Machine Manager Cookbook By Alessandro Cardoso Edvaldo 2014 Paperback

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Microsoft System Center 2012 R2 Compliance Management Cookbook - Andreas Baumgarten 2014-10-31

Whether you are an IT manager, an administrator, or security professional who wants to learn how Microsoft Security Compliance Manager and Microsoft System Center can help fulfil compliance and security requirements, this is the book for you. Prior knowledge of Microsoft System Center is required.

Windows Server 2012 Hyper-V - Zahir Hussain Shah 2013-03-25

This books takes a comprehensive tutorial approach with plenty of screenshots and detailed step-by-step instructions. This book is for Windows server administrators, who may not necessarily be familiar with Hyper-V, and also for existing Hyper-V administrators who want to advance their skills in Windows Server 2012 Hyper-V.

Microsoft System Center - Yung Chou 2013

Explains how to use App Controller to manage virtual machines and services on private and public clouds.

[System Center 2016 Virtual Machine Manager Cookbook](#), - EDVALDO ALESSANDRO CARDOSO 2018-02-21

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.

[Exam Ref 70-745 Implementing a Software-Defined DataCenter](#) - Jeff Graves 2017-11-15

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

Exam 70-413 Designing and Implementing a Server Infrastructure Lab Manual - Microsoft Official Academic Course 2015-02-24

This is the Lab Manual to accompany: Exam 70-413 Designing and Implementing a Server Infrastructure. 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.

Mastering Windows Server 2016 - Brian Svidergol 2018-06-13

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.

Configuring and Deploying a Private Cloud - Orin Thomas 2014

Prepare for Microsoft Exam 70-247-and help demonstrate your real-world mastery configuring and deploying a private cloud using Microsoft System Center 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 MCSE level. Focus on the expertise measured by these objectives: Design and deploy System Center Configure System Center infrastructure Configure the fabric Configure System Center integration Configure and deploy virtual machines and services This Microsoft Exam Ref : Organizes its coverage by objectives for Exam 70-247 Features strategic, what-if scenarios to challenge you Requires experience with Windows Server, System Center 2012, security, high availability, fault tolerance, and networking in an enterprise environment, and basic skills with SQL Server, Windows PowerShell, and application configuration.

Microsoft System Center 2012 R2 Operations Manager Cookbook - Steve Beaumont (MVP) 2015-04-14

If you are tasked with monitoring the IT infrastructure within your organization, this book demonstrates how System Center 2012 R2 Operations Manager offers a radical and exciting solution to modern administration.

System Center 2012 Orchestrator Unleashed - Kerrie Meyler 2013

Describes the key concepts, practices, and processes of System Center Orchestrator 2012, covering such topics as architectural design, installation and implementation, and integration packs.

System Center 2012 R2 Virtual Machine Manager Cookbook - Edvaldo Alessandro Cardoso 2014-06-25

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.

Exam 70-413 Designing and Implementing a Server Infrastructure - Microsoft Official Academic Course 2014-10-27

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 Cloud Management with App Controller - Keith Mayer 2013-11-15

Part of a series of specialized guides on System Center - this book focuses on using AppController to

manage virtual machines and services across private and public clouds. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key configuration and management tasks.

Learning System Center App Controller - Nasir Naeem 2015-02-24

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.

Microsoft System Center Building a Virtualized Network Solution - Nigel Cain 2014-02-15

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.

Administering Windows Server 2012 R2 - Orin Thomas 2014

Fully updated for Windows Server 2012 R2! Designed to help enterprise administrators develop real-world, job-role-specific skills - this Training Guide focuses on 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 *Introducing Microsoft System Center 2012 R2* - Mitch Tulloch 2014-01-15

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

Exam 70-414 Implementing an Advanced Server Infrastructure - Microsoft Official Academic Course 2015-01-12

This Microsoft Official Academic Course (MOAC) IT Professional curriculum prepares certification students for success every step of the way. This 70-414 Implementing an Advanced Server Infrastructure exam course is the second 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 Orchestrator 2012 R2 Essentials - Miguel Oliveira 2015-08-07

Design, implement, and improve your infrastructure administration with System Center Orchestrator 2012 R2's automation process About This Book Learn about the components of Orchestrator, the design and implementation process, and the way it interacts with your environment to create outstanding automation processes Gain an in-depth understanding of Runbooks, while exploring its security and troubleshooting aspects Follow this step-by-step guide at your own pace and get yourself in the frontline of the Orchestrator world Who This Book Is For This book is targeted for those who want to gain time in their administrative tasks and profit from it to improve also their environment by reaching a more autonomous infrastructure.

Experience with other System Center family products as well as Active Directory and other core datacentre components would be useful to help you understand and execute the information given in this book. What You Will Learn Plan, assess, design, and implement Orchestrator 2012 R2 in a corporate environment Master the Runbook Designer and discover all about the Runbook creation process Import and integrate more technologies through new imported functionalities and learn what they bring to your environment Extend your possibilities and interaction with your environment while you get a hand of the best practices for this system Implement high-availability, security, backup, and recovery procedures and fine-tuning of the platform Familiarize yourself with the Runbook design and its implementation with an insight into the methodology for a more dynamic Datacenter In Detail With the increasing complexity of systems in our infrastructure designs, administrating these systems has become more complex and repetitive. This ultimately translates into an inefficient environment and loss of time. System Center Orchestrator 2012 R2 is the tool that can help you regain that time again, by simplifying repetitive tasks (or complex ones) into a simple one that will require minimum intervention from you, or even none. This technology will drive you one step forward towards a more dynamic infrastructure and can also be used to make a customized Private Cloud environment setup. Starting off with the fundamentals of Orchestrator, this book helps you to learn the configuration and deployment of the Orchestrator 2012 R2 in a corporate environment to successfully deploy and mitigate real-life issues that you might encounter. You'll learn the most used part of Orchestrator, the Runbook Designer, with all its components and mechanisms to help you efficiently design and implement your Runbooks from top to bottom. Additionally, you will also get familiarized with configuring key Integration Packs available for Orchestrator to extend its functionality and enhance the automation solution. Furthermore, you will explore the possibilities of extending and integrating Orchestrator with other parties and learn to set up core infrastructure administrative tasks that can save time and effort when automated with Orchestrator. You finally round off by gaining insights on the maintenance aspects of Orchestrator, while simultaneously covering the troubleshooting, backup, and recovery features. Style and approach Written in a step-by-step guide format, the chapters are organized in a sequence of what you need to know first to move on to the next component. Each chapter contains a broad explanation of what we are working on at that moment and the tips provided are based on real-world experience.

Mastering System Center 2012 R2 Configuration Manager - Santos Martinez 2014-02-19

Invaluable coverage on all aspects of System Center 2012 R2 Configuration Manager Completely updated for System Center 2012 R2 Configuration Manager, this comprehensive book provides intermediate and advanced coverage of all aspects of the product, including planning and installation, migrating from previous versions of Configuration Manager, deploying software and operating systems, security, monitoring and troubleshooting, and automating and customizing. Provides numerous real-world scenarios to show you how to use the tool in various contexts Explores planning and installation and migrating from SCCM 2007 Walks you through deploying software and operating systems, security, monitoring, and troubleshooting Demonstrates automating and customizing SCCM 2012 with scripts This essential book provides you with all the information you need to get savvy with System Center 2012 R2 Configuration Manager.

Mastering System Center Configuration Manager - Santos Martinez 2016-12-29

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.

Microsoft System Center Virtual Machine Manager 2012 Cookbook - Edvaldo Alessandro Cardoso 2013-03-26

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.

Designing Hyper-V Solutions - Saurabh Grover 2015-08-07

Deploy Microsoft Virtualization and VDI solutions using real-world Hyper-V configurations About This Book Get acquainted with the basics of Windows Server Hyper-V 2012 R2 and understand how to efficiently design a highly available virtualization solution Assess your physical server environment and understand the fundamentals of server consolidation and sizing of Hyper-V hosts Design practical solutions for common design patterns with explanations of these design decisions Who This Book Is For This book is aimed at IT admins, consultants, and architects alike who wish to deploy, manage, and maintain Hyper-V solutions in organizations of various sizes. Readers are expected to have a working knowledge of managing Windows Servers and a fair understanding of networking and storage concepts. What You Will Learn Set up independent and highly available clustered Hyper-V hosts via GUI and PowerShell Acquire knowledge about Generation 1 and 2 Virtual Machines, their creation and management, and also look at the VM Conversion process Understand NIC Teaming, Extensible Virtual Switch, and other networking advancements Gain insight into virtual machine storage changes and its follow-up benefits Discover backup and recovery patterns for Hyper-V Familiarize yourself with the essentials of Hyper-V Replica Leverage the benefits of Microsoft VDI In Detail The IT community has already experienced the benefits of server virtualization. However, they were limited to one option primarily until Microsoft released its flagship Hypervisor platform. Windows Server Hyper-V 2012 and R2 along with Hyper-V Server 2012 and R2 present a cost effective yet robust virtualization solution to enterprises who wish to consolidate their physical server workloads or migrate their pre-existing VMware workloads to Hyper-V. Hyper-V has proven to be a stable and an economical virtualization solution and with its high availability, live migration, and new network virtualization and storage enhancement features, enterprises will never feel the need to consider another alternative. This book is a practical, example-oriented tutorial that will guide you through the basics and architecture of the Hyper-V platform and thereafter help you understand how to build your Virtualization infrastructure from the ground up. The book then goes on to focus on scalability and high availability aspects and trains you in setting up highly available Hyper-V clusters and the live migration of virtual machines. You will also learn about the advancements in virtual networking and storage in Windows Server 2012. After the implementation guidance, the book then advises you on how to set up backup and recovery and how to prepare a disaster recovery plan via Hyper-V Replica. The book concludes with a good insight into Microsoft VDI implementation guidance. Style and approach This is a handy and easy-to-follow guide that describes virtualization concepts and the Hyper-V design approach. Each topic is explained sequentially and is enhanced with real-world scenarios, practical examples, screenshots, and step-by-step explanations to help readers understand clearly.

Microsoft System Center Integrated Cloud Platform - David Ziembicki 2014-05-22

Part of a series of specialized guides on System Center - this book provides focused drilldown on managing servers. Led by series editor Mitch Tulloch, a team of System Center experts step you through key technical scenarios and management tasks.

Hyper V (version 3) et System Center Virtual Machine Manager - Jean-François Apréa 2014-07-09

Ce livre sur la technologie de virtualisation Hyper-V (version 3) disponible avec Microsoft Windows Server 2012 R2 s'adresse aux responsables informatiques sur le point de s'engager dans la mise en oeuvre d'une solution de virtualisation ainsi qu'aux architectes confrontés à la planification, l'installation et à

l'administration de cette architecture critique pour l'entreprise. Ce livre leur permettra de compléter une infrastructure existante ou même de construire une nouvelle stratégie de virtualisation bâtie sur Windows Server 2012 R2 Hyper-V et System Center Virtual Machine Manager 2012 R2. Les premiers chapitres décrivent les nouvelles fonctionnalités, détaillent l'architecture générale d'Hyper-V (concept, principes technologiques, bénéfiques pour l'entreprise...) ainsi que les particularités qui distinguent la solution de Microsoft de celle de VMware. Les chapitres suivants présentent les méthodologies d'implémentation d'une architecture Hyper-V : l'architecture de stockage, l'architecture réseau, le dimensionnement des serveurs sont des points où Windows Server 2012 R2 et Hyper-V sont facteurs de changements. Les alliances dans le domaine de la virtualisation autour de la technologie de stockage Storage Spaces intégrée à Windows Server 2012 R2 sont présentées en détail de telle sorte que le lecteur sera à même de bien comprendre la stratégie de Microsoft et les changements à venir. Enfin, avec sa nouvelle vision Cloud OS et Cloud OS Network, Windows Server 2012 R2 Hyper-V, System Center 2012 R2 et Windows Azure Pack for Windows Server, Microsoft se positionne en fournisseur de solutions de types Cloud et Datacenter, avec une véritable solution multi-tenants apte à supporter les charges les plus fortes. En synthétisant les énormes possibilités d'Hyper-V avec Windows Server 2012 R2 et celles de System Center Virtual Machine Manager 2012 R2, cet ouvrage vous aidera à faire votre choix avant de déployer une solution de Cloud privé construite à l'aide des technologies Microsoft.

Introducing Windows Server 2012 R2 - Mitch Tulloch 2013-11-15

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

Mastering System Center Configuration Manager - Santos Martinez 2017-01-24

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.

Microsoft System Center Data Protection Manager Cookbook - Charbel Nemnom 2018-12-26

Over 60 recipes to achieve a robust and advanced backup and recovery solution leveraging SCDPM Key Features Adapt to the modern data center design challenges and improve storage efficiency Effective recipes to help you create your own robust architectural designs Solve data protection and recovery problems in your organization Book 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 learn Install and prepare SQL Server for the SCDPM database Reduce backup storage with SCDPM and data deduplication Learn about the prerequisites for supported Hyper-V Server protection Integrate SCDPM with other System Center products to build optimal services Protect and restore the SCDPM database Protect your data center by integrating SCDPM with Azure Backup Manually create online recovery points and recover production data from Azure Protect and learn about the requirements to recover Azure Stack with SCDPM Who 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.

Microsoft System Center Operations Manager Field Experience - Danny Hermans 2015-04-10

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.

Test Drive the Microsoft Private Cloud - Ron Carswell 2014-06-25

TEST DRIVE THE MICROSOFT PRIVATE CLOUD instructs future network administrators how to effectively implement and maintain the Microsoft Private Cloud with a balance of conceptual expertise and hands-on skills. The book prepares readers to implement cloud computing solutions within their own network environments. TEST DRIVE THE MICROSOFT PRIVATE CLOUD begins with a conceptual foundation and by the last chapter, readers will have learned to put in place a high-availability cluster to support a Microsoft Private Cloud. Clear learning objectives, case projects, and hands-on exercises further reinforce readers' understanding of private cloud computing. Successive chapters help refine key skills readers need to implement private cloud stations using Microsoft technologies, including Windows Server 2012 R2, Hyper-V virtualization, System Center 2012 R2 Virtual Machine Manager, and System Center 2012 R2 Application Manager. Readers learn to use the Virtual Machine manager to work with library resources, to implement virtual networks, to configure storage, to create private clouds, and to deploy virtual machines. With the Application Manager, readers learn to deploy and access virtual machines in the private cloud. With PowerShell scripts, readers learn to manage the private cloud. TEST DRIVE THE MICROSOFT PRIVATE CLOUD teaches readers the private cloud computing skills they will need now and in the future.

Hyper-V Network Virtualization Cookbook - Ryan Boud 2014-11-28

If you are a virtualization architect, engineer, or administrator who wants to leverage Hyper-V to create virtual networks (virtual data centers), this is the book for you. Prior knowledge of Hyper-V or a similar solution and a good understanding of the end goals of creating a virtual network is required.

Mastering Hyper-V 2012 R2 with System Center and Windows Azure - John Savill 2014-04-11

This book will help you understand the capabilities of Microsoft Hyper-V, architect a Hyper-V solution for your datacenter, plan a deployment/migration, and then manage it all using native tools and System Center. Coverage also includes hybrid cloud scenarios specifically with Windows Azure to complete the full virtualization piece of providing data both on premise and off premise. In addition, you will explore the Windows Azure capabilities for virtual machines and managing a hybrid cloud, including Windows Azure's Internet as a Service (IaaS) and storage capabilities, how seamless management is possible with PowerShell and System Center, plus how Azure Storage can play a part in a company's complete solution. Key topics covered include: virtualization fundamentals, network virtualization, storage configuration, Hyper-V management and maintenance, failover clustering and migration, Hyper-V replica and cloud

orchestration, private cloud implementation, Azure IaaS, Azure storage, managing with PowerShell, Hyper-V decoding, and Windows Server 2012 R2 integration.

System Center 2012 Service Manager Unleashed - Kerrie Meyler 2014-09-26

This comprehensive resource will help you automate and optimize all facets of service management with System Center 2012 Service Manager. Expert consultants offer deep “in the trenches” insights for improving problem resolution, change control, release management, asset lifecycle management, chargeback, and more. You’ll learn how to implement high-value best practices from ITIL and the Microsoft Operations Framework. The authors begin with an expert overview of Service Manager, its evolution, and its new capabilities. Next, they walk through overall planning, design, implementation, and upgrades. Then, to help you focus your efforts, they present stepwise coverage of all topics in each feature area, linking technical information about Service Manager with essential knowledge about the technologies it depends on. Whatever your role in deploying or running Service Manager, this guide will help you deliver more responsive support at lower cost and drive more value from all your IT investments.

- Leverage MOF and ITIL processes built into System Center 2012 Service Manager
- Plan and design your Service Manager deployment
- Install Service Manager or upgrade from earlier versions
- Efficiently administer work and configuration items
- Use connectors to integrate with Active Directory, Exchange, and System Center components
- Create service maps
- Enable end user access through Service Manager’s self-service portal
- Implement incident, problem, change, and release management
- Utilize workflows to automate key support processes
- Create service level agreements with calendars, metrics, and objectives
- Provide quick access to a standardized catalog of services
- Use notification to ensure that Service Manager items are promptly addressed
- Secure Service Manager and its data warehouse/reporting platform
- Perform maintenance, backup, and recovery
- Manage Service Manager performance
- Customize Service Manager

Microsoft System Center 2012 Unleashed - Chris Amaris 2012

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.

Training Guide Administering Windows Server 2012 R2 (MCSA) - Orin Thomas 2014-05-12

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

Cloud Computing Networking - Lee Chao 2015-09-22

Cloud computing is the most significant technology transformation since the introduction of the Internet in the early 1990s. As more and more companies and educational institutions plan to adopt a cloud-based IT infrastructure, today’s job market requires IT professionals who understand cloud computing and have hands-on experience developing cloud-based networks. Cloud Computing Networking: Theory, Practice, and Development covers the key networking and system administration concepts as well as the vital hands-on skills you need to master cloud technology. This book is designed to help you quickly get started in deploying cloud services for a real-world business. It provides detailed step-by-step instructions for creating a fully functioning cloud-based IT infrastructure using the Microsoft Azure cloud platform. In this environment, you can develop cloud services collaboratively or individually. The book enhances your hands-

on skills through numerous lab activities. In these lab activities, you will learn to Implement the following services in a cloud environment: Active Directory, DHCP, DNS, and Certificate Services Configure Windows Server so it can route IP traffic Implement IP Security Policy and Windows Firewall with Advanced Security tools Create a point-to-site connection between Microsoft Azure and a local computer Create a site-to-site connection between Microsoft Azure and an on-premises network Develop a hybrid cloud that integrates Microsoft Azure with a private cloud created on a local network Cloud Computing Networking: Theory, Practice, and Development includes numerous examples, figures, and screen shots to help you understand the information. Each chapter concludes with a summary of the major topics and a set of review questions. With this book, you will soon have the critical knowledge and skills to develop and manage cloud-based networks.

Microsoft System Center - David Ziembicki 2014-04-22

Part of a series of specialized guides on System Center - this book provides focused drilldown on managing servers. Led by series editor Mitch Tulloch, a team of System Center experts step you through key technical scenarios and management tasks.

Microsoft System Center Deploying Hyper-V with Software-Defined Storage & Networking - Mitch Tulloch 2015-03-12

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.

Hyper-V for VMware Administrators - Brien Posey 2015-06-02

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.

Microsoft System Center Configuration Manager Field Experience - Manoj Pal 2013-10-15

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.