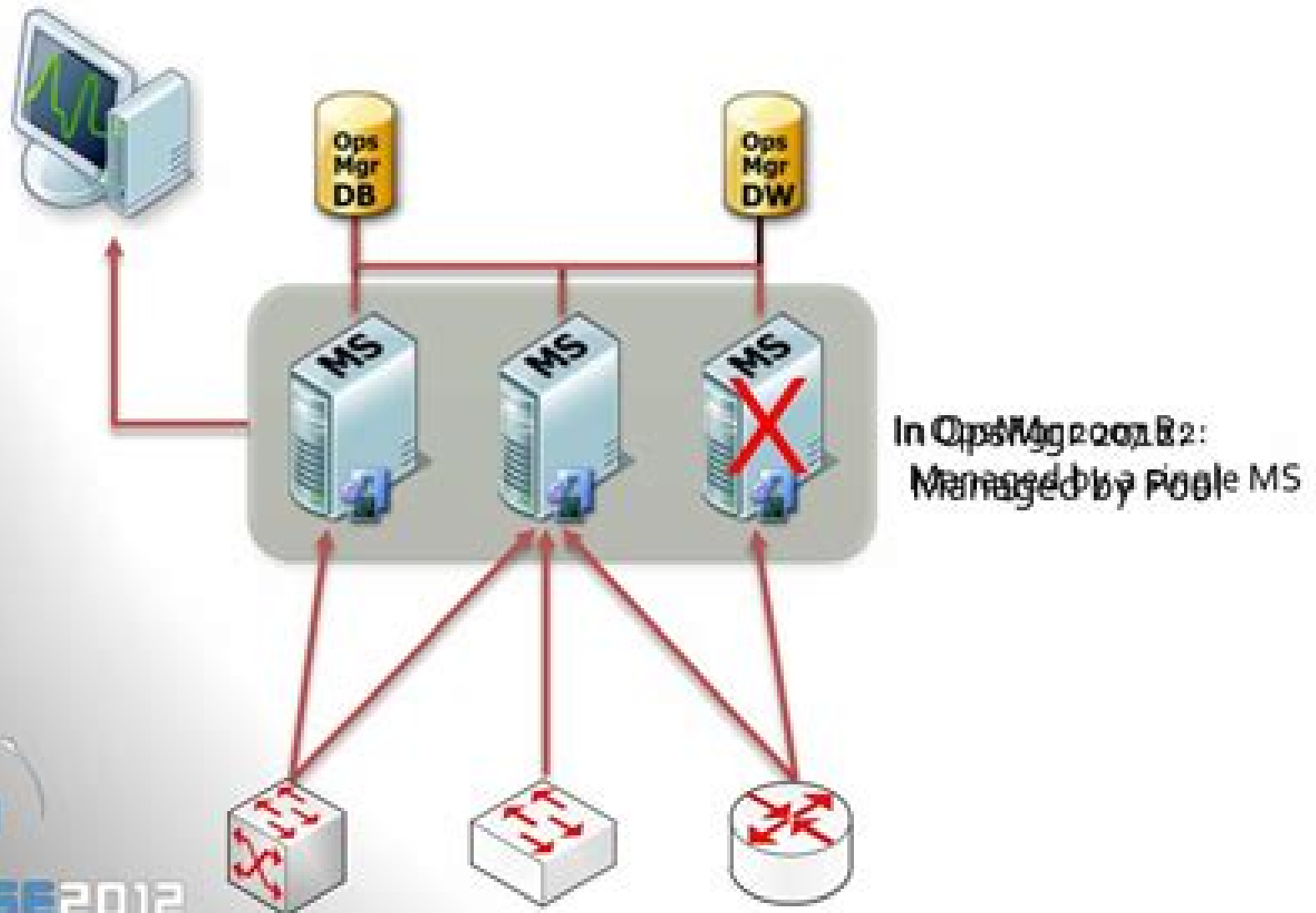


# OPSMGR 2012 – DEPLOYMENT TOPOLOGY



# Opsmgr Deployment Guide

**David Green, Jordan Fincher, Kiran  
Ghag, Lee J Cockrell, Nitin D  
Thorve, Paulo Tomiyoshi Takeda, Sreeni  
Edula, Vasfi Gucer, IBM Redbooks**

## Opsmgr Deployment Guide:

Operations Manager Guide for MicroStrategy 10 MicroStrategy Product Manuals,2015-06-04      **Getting Started with Microsoft System Center Operations Manager** Kevin Greene,2016-06-30 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      **Installation and Configuration Guide for MicroStrategy 10** MicroStrategy Product Manuals,2015-06-04      *System Center Operations Manager (OpsMgr) 2007 R2 Unleashed* Kerrie Meyler,Cameron

Fuller, John Joyner, Andy Dominey, 2010-04-16 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 comprehensive 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 System Center Operations Manager 2007 Unleashed Kerrie Meyler, Cameron Fuller, John Joyner, Andy Dominey, 2008 This book is your most complete source for in depth information about Microsoft System Center Operations Manager 2007 System Center Operations Manager 2007 Unleashed is a comprehensive guide to System Center Operations Manager OpsMgr 2007 Like its MOM 2005 predecessor OpsMgr 2007 helps you implement operations management but with a far different and more holistic approach from MOM 2005 s focus on individual servers This book guides you through designing deploying and configuring OpsMgr 2007 You will find detailed information and hands on experience on topics such as estimating database sizes and designing redundant OpsMgr configurations You learn how to tackle challenges such as setting up ACS establishing client monitoring using and creating synthetic transactions and distributed applications and developing management packs and reports Size your OpsMgr databases Architect for redundancy and performance Install or migrate to OpsMgr 2007 Secure OpsMgr Back up OpsMgr components Understand how monitors and rules work Manage different aspects including ACS client monitoring synthetic transactions and distributed applications Extend OpsMgr Develop management packs and reports CD ROM includes Database sizing spreadsheet Utilities management packs and reports Microsoft s best practices for rule and monitor targeting and PowerShell Cheat Sheet Live Links more than 200 hypertext links and references to materials connectors sites and

newsgroups related to OpsMgr Contents Introduction 1 Part I Operations Management Overview and Concepts 1 Operations Management Basics 11 2 What's New 63 3 Looking Inside OpsMgr 97 Part II Planning and Installation 4 Planning Your Operations Manager Deployment 137 5 Planning Complex Configurations 203 6 Installing Operations Manager 2007 233 7 Migrating to Operations Manager 2007 277 Part III Moving Toward Application Centered Management 8 Configuring and Using Operations Manager 2007 303 9 Installing and Configuring Agents 369 10 Complex Configurations 425 11 Securing Operations Manager 2007 471 Part IV Administering Operations Manager 2007 12 Backup and Recovery 539 13 Administering Management Packs 593 14 Monitoring with Operations Manager 647 Part V Service Oriented Monitoring 15 Monitoring Audit Collection Services 739 16 Client Monitoring 797 17      **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

**System Center 2012 Operations Manager Unleashed** Kerrie Meyler, Cameron Fuller, John Joyner, 2013 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      *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      How to Cheat at Managing Microsoft Operations Manager 2005 Anthony Piltzecker, 2006-03-01 Microsoft Operations Manager MOM is a network monitoring tool that provides enterprise class event and performance management for Windows Server System technologies MOM's event and performance management tools discover problems before system administrators would ever find them thereby enabling administrators to lower their costs of operations and simplify management of their Windows Server System infrastructure MOM can notify system administrators of overloaded processors depleted memory or failed network connections affecting their Windows servers long before these

problems bother users Microsoft Operations Manager MOM 2005 delivers open and scalable enterprise class operational management by providing comprehensive event management proactive monitoring and alerting reporting and trend analysis and system and application specific knowledge and tasks to improve the manageability of Windows Server System environments including Windows Exchange SQL IIS Active Directory etc A users guide to Microsoft Operations Manager MOM enabling a cost reduction and simplification in managing your Windows Server System Infrastructure Companion Web site for book offers dozens of customized scripts and tools for automating MOM 2005 and many other Windows Server products There is no other compact resource like this for this core Microsoft Server product     *System Center 2016 Virtual Machine Manager Cookbook*, EDVALDO ALESSANDRO CARDOSO,Roman Levchenko,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     **Microsoft Operations Manager 2005 Unleashed** Kerrie Meyler,Cameron Fuller,Chris Amaris,2006 This book is your most complete source for in depth information about Microsoft Operations Manager 2005 Microsoft Operations Manager 2005 Unleashedprovides a comprehensive guide to Microsoft Operations

Manager MOM 2005 MOM is a tool that helps implement operations management but it is not a piece of software that you can simply install and instantly have working This book provides reference material that will guide you through the steps to design deploy and configure MOM within your environment You learn how to tune your MOM environment and tackle common challenges such as managing your Microsoft operating systems directory services messaging platforms and databases Inside you will find comprehensive information on how to develop your own reports and management packs for your MOM environment as well as practical real world examples based on hands on MOM experience Plan your MOM deployment Architect MOM for performance redundancy and security Install or upgrade to MOM 2005 Back up important MOM components Implement troubleshoot deploy and manage management packs Work with rules and tune them Manage different aspects of your environment including the Windows operating system directory services Exchange email and SQL Server Extend MOM using connectors and third party management packs Develop management packs reports and scripts Prepare for the next version of Operations Manager CD ROM includes Microsoft s MOM 2005 Resource Kit and MOM 2005 Sizer MOM Agent Monitor Management packs and scripts written or customized for this book Live Links more than 100 clickable hypertext links and references to materials and sites related to Operations Manager Contents About the Authors xxi Acknowledgments xxiii Introduction 1 Part I Operations Management Overview and Concepts Chapter 1 Operations Management Basics 7 Chapter 2 What s New 41 Chapter 3 How Does It Work 57 Part II Planning and Installation Chapter 4 Planning Your MOM Deployment 99 Chapter 5 Planning Complex Configurations 151 Chapter 6 Installing MOM 2005 173 Chapter 7 Upgrading to MOM 2005 211 Part III Deploying MOM Chapter 8 Post Installation Tasks 237 Chapter 9 Installing and Configuring Agents 267 Chapter 10 Complex and High Performance Configurations 297 Chapter 11 Securing MOM 329 Part IV Administering MOM Chapter 12 Backup and Recovery 365 Chapter 13 Administering Management Packs 395 Chapter 14 Monitoring with MOM 423 Part V Managing with MOM Chapter 15 Managing the Operating System 487 Chapter 16 Managing Directory Services 527 Chapter 17 Managing Microsoft Messaging 565 Chapter 18 Database Management 595 Part VI Moving Beyond MOM 2005 Chapter 19 Interoperability 625 Chapter 20 Developing Management Packs 661 Chapter 21 Using and Developing Reports 719 Chapter 22 Using and Developing Scripts 777 Chapter 23 Touring Operations Manager 2007 825 Part VII Appendixes Appendix A MOM Internals 865 Appendix B Registry Settings 887 Appendix C Performance Counters 895 Appendix D Database Views 901 Appendix E Reference URLs 907 Appendix F On the CD 917 Index 919

*Essential Microsoft Operations Manager* Chris Fox, 2006 For system administrators ensuring that all Windows servers are performing optimally is a tall order The larger the enterprise the greater the chance for irritating time consuming configuration problems Sometimes you can determine the root cause of the problem yourself but that s only if you re lucky With Microsoft Operations Manager MOM the diagnosis is done for you MOM monitors server operations and automatically notifies you of problems by sending an immediate alert to your console email address or pager To help you better understand

how MOM works O'Reilly presents Essential Microsoft Operations Manager The goal of this comprehensive tutorial is to give first time MOM administrators a solid foundation for planning implementing and administering MOM 2005 Author Chris Fox a renowned MOM expert offers the type of practical real world advice that you need to improve the performance of your IT infrastructure After taking you through the entire process of setting up MOM on the network the book moves on to more advanced administration issues It carefully instructs you how to program and automate MOM and the agents that reside on the servers themselves You'll also learn how to manage the scripts that determine which server agents are relevant to report By capturing system data intelligently analyzing it and then notifying you with a suggested course of action MOM makes extinguishing fires a breeze And now thanks to Essential Microsoft Operations Manager learning how to use MOM is a breeze too

Microsoft System Center 2012 R2 Operations Manager Cookbook Steve Beaumont (MVP), Jonathan Horner, Chiyo Odika, Robert Ryan, 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

Windows Server 2008 R2 Hyper-V John Kelbley, Mike Sterling, 2010-05-20 Get the inside scoop on Hyper V for Windows Server 2008 R2 Virtualization is a top priority for thousands of companies all over the world Written by an author team that is part of the Windows virtualization group at Microsoft Windows Server 2008 R2 Hyper V will walk you through Hyper V essentials so you can get you up to speed and down to business with Hyper V Now fully updated for Windows Server 2008 R2 Hyper V you will find additional content on new features and capabilities such as Live Migration and support for 64 Logical Processors LP Teaches how to manage virtual machines with the latest System Center tools such as Virtual Machine Manager 2008 R2 Data Protection Manager 2010 and Operations Manager 2007 R2 Covers all of the new functionalities of Windows Server 2008 R2 Hyper V including Live Migration 64 LP support Processor Compatibility Mode enhanced processor functionality support hot add and remove of storage TCP Offload support and VM Queue support Demonstrates key scenarios for Hyper V including server consolidation testing and development Business Continuity and Disaster Recovery and Dynamic IT Provides step by step instructions and examples This insiders guide will help you get the most out of your hardware and reduce cost with Windows Server 2008 R2 Hyper V

**Mastering System Center 2012 Operations Manager** Bob Cornelissen, Paul Keely, Kevin Greene, Ivan Hadzhiyski, Samuel M. Allen, Telmo Sampaio, 2012-10-18 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 Office 365 Administration Inside Out** Anthony Puca,Julian Soh,Marshall Copeland,2013-10-15 Conquer Microsoft Office 365 administration from the inside out Dive into Office 365 administration and really put your systems expertise to work This supremely organized reference packs hundreds of timesaving solutions troubleshooting tips and workarounds Discover how the experts tackle deployment configuration and management and challenge yourself to new levels of mastery Simplify enterprise deployment with planning tools and tasks Automate Office 365 processes with Windows PowerShell Manage user identity with Active Directory and Single Sign On Monitor and maintain the health of Office 365 with Microsoft System Center Implement Microsoft Exchange Online SharePoint Online and Lync Online Control variables in an Exchange Server hybrid implementation Customize and deploy Office 365 Professional Plus Explore real world scenarios and apply insider management tips For Intermediate to Advanced IT Professionals **VMware Horizon Suite** Stéphane Asselin,Paul O'Doherty,2014 VMware Horizon Suite The authoritative guide to delivering end user services with VMware View and VMware Horizon Suite Today IT professionals must manage stateless mobile streamed workspaces delivered across devices ranging from traditional PCs to tablets and smartphones Using VMware View and VMware Horizon Suite they can do so providing flexible end user services that support any business requirement cost effectively Now there s a complete guide to planning configuring implementing and integrating VMware Horizon Suite technologies and using them to deliver high value end user services in enterprise managed and cloud provider environments This book s deep up to date technical content addresses considerations ranging from architecture deployment and operations to user experience and support It offers detailed guidance on integration with VMware View and key third party technologies Throughout it fully reflects the newest VMware View releases including VMware Horizon Mirage Relevant clear and usable VMware Horizon Suite contains step by step configuration examples sample scenarios helping you choose the right technologies for your users needs and a complete end user computing design checklist Coverage includes Understanding the new end user service model and how VMware View and VMware Horizon address it Mastering VMware View 6 and VMware Workspace 1 8 architectures Leveraging proven installation and implementation techniques Efficiently operating Connection Security and Transfer servers Managing agents clients portals composers and personas Integrating VMware View and Workspace Implementing operational best practices such as desktop pools user data management and SaaS Using VMware Mirage to manage desktop images more intelligently and provide a wider spectrum of end user services Delivering multimedia within a View desktop environment Integrating Microsoft Lync with VMware View Monitoring VMware View and optimizing its performance

Professional MOM 2005, SMS 2003, and WSUS Randy Holloway,Telmo Sampaio,Marcus Oh,Russ Kaufmann,Derek

Comingore,2006-05-11 Professional MOM 2005 SMS 2003 and Microsoft Update provides a single source for IT administrators to understand how these systems and operations management technologies can be used in their environments It also serves as a comparative tool that helps readers understand which tool is right for which job It is designed and written for anyone who is involved with implementing supporting or managing a set of tools for systems and operations management including IT operators IT administrators IT infrastructure managers and system architects The readers that have some background in systems and operations management will probably get the most of this book however no specific level of skill or knowledge is assumed The writing is aimed at readers who have a basic understanding of IT infrastructure on the Windows platform and have familiarity with Windows XP and earlier client deployments and Windows Server technologies Some of the topics covered include basics of operations management how the MOM 2005 SMS 2003 and other update technologies fit together installing and deploying MOM installing and deploying SMS installing and deploying MU and WSUS configuring and administering the MOM environment with MOM and alert tuning MOM and SMS agents Deploying and using MOM management packs Third party management packs Security and patching with MOM and SMS Monitoring and security MOM and SMS deployments MOM and SMS reporting Microsoft System Center Solutions Note CD ROM DVD and other supplementary materials are not included as part of eBook file

**Implementing a VersaStack Solution by Cisco and IBM with IBM FlashSystem 5030, Cisco UCS Mini, Hyper-V, and SQL Server** David Green,Jordan Fincher,Kiran Ghag, Lee J Cockrell,Nitin D Thorve,Paulo Tomiyoshi Takeda,Sreeni Edula,Vasfi Gucer,IBM Redbooks,2020-02-12 VersaStack an IBM and Cisco integrated infrastructure solution combines computing networking and storage into a single integrated system It combines the Cisco Unified Computing System Cisco UCS Integrated Infrastructure with IBM Spectrum Virtualize™ which includes IBM FlashSystem storage offerings for quick deployment and rapid time to value for the implementation of modern infrastructures This IBM Redbooks publication covers the preferred practices for implementing a VersaStack Solution with IBM FlashSystem 5030 Cisco UCS Mini Hyper V 2016 and Microsoft SQL Server Cisco UCS Mini is optimized for branch and remote offices point of sale locations and smaller IT environments It is the ideal solution for customers who need fewer servers but still want the comprehensive management capabilities provided by Cisco UCS Manager The IBM FlashSystem 5030 delivers efficient entry level configurations that are designed to meet the needs of small and midsize businesses Designed to provide organizations with the ability to consolidate and share data at an affordable price the IBM FlashSystem 5030 offers advanced software capabilities such as clustering IBM Easy Tier replication and snapshots that are found in more expensive systems This book is intended for pre sales and post sales technical support professionals and storage administrators who are tasked with deploying a VersaStack solution with Hyper V 2016 and Microsoft SQL Server

Mastering vRealize Operations Manager Spas Kaloferov,Chris Slater,Alasdair Carnie,Scott Norris,2018-03-08 Manage vRealize operations manager 6 6 effectively using this comprehensive guide Key Features Get

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- Manipulate data and metrics to display them in the most effective way possible
- Create custom views and dashboards fit for any use case
- Explore how policies have evolved in vRealize Operations 6.6 and how to apply them in the most effective manner

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