



# Microsoft System Center Data Protection Manager 2012 SP1

Learn how to deploy, monitor, and administer System Center Data Protection Manager 2012 SP1



Steve Buchanan  
Robert Hedblom

Islam Gomaa  
Flemming Riis

**[PACKT]** enterprise <sup>88</sup>  
PUBLISHING professional expertise distilled

# Microsoft System Center Data Protection Manager 2012

## Sp1

**Shreesh Dubey,Vijay Tandra  
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Ramdas,Mitch Tulloch**

## **Microsoft System Center Data Protection Manager 2012 Sp1:**

**Microsoft System Center Data Protection Manager 2012 Sp1** Steve Buchanan, Robert Hedblom, Islam Gomaa, Flemming Riis, 2014-10-05 Written by a team of Microsoft System Center Most Valued Professionals MVPs this is the ultimate guide to using Data Protection Management DPM to safeguard your organization's valuable information Packed with tips and real life solutions Overview Practical guidance that will help you get the most out of Microsoft System Center Data Protection Manager 2012 Gain insight into deploying monitoring and administering System Center Data Protection Manager 2012 from a team of Microsoft MVPs Learn the various methods and best practices for administering and using Microsoft System Center Data Protection Manager 2012 In Detail Microsoft System Center Data Protection Manager is a centralized data protection solution DPM is used for data protection and recovery for Microsoft workloads Data Protection Manager allows backup and recovery of Microsoft Workloads including SQL Server Exchange Sharepoint Client Computers and Hyper V Enabling disk and tape based backup methods DPM also allows central management of the system state and Bare Metal Recovery Microsoft System Center Data Protection Manager 2012 SP1 is a guide for administrators of System Center Data Protection Manager By the end of this book users will be able to carry out automated installs migrate DPM to new hardware set up custom reporting use the DPM central console and implement offsite DPM strategies such as chaining monitoring and cyclic protection In this book you will gain insight from Microsoft Most Valued Professionals into the new features in DPM 2012 along with an understanding of the core tasks that administrators will face including installing and configuring DPM 2012 workload protection and managing the system It will also show administrators how to effectively create backups of the protected workloads and use these backups to recover from a disaster It will also contain information on backup networks client protection and how to automate tasks in DPM to make your job as an administrator easier After reading this book you should be confident enough to master protecting your organizations data with Microsoft System Center Data Protection Manager What you will learn from this book Implementation of effective Backup Strategies How to use DPM Central Console and SCOM to monitor DPM Carrying out disaster recovery for DPM Automation with DPM using System Center Orchestrator along with PowerShell Using DPM with workgroups and untrusted domains How to perform common management tasks for DPM Better tape management with DPM Using client protection with DPM Approach This book is a Packt tutorial walking the administrator through the steps needed to create real solutions to the problems and tasks faced when ensuring that their data is protected Who this book is written for This book is for network administrators system administrators backup administrators or IT consultants who are looking to expand their knowledge on how to utilize DPM to protect their organization's data Microsoft System Center Data Protection Manager 2012 R2 Cookbook Robert Hedblom, 2015-04-30 If you are a DPM administrator this book will help you verify your knowledge and provide you with everything you need to know about the 2012 R2 release No prior knowledge about System Center DPM is required however some experience of

running backups will come in handy      *Microsoft System Center Data Protection Manager 2012 SP1* Steve Buchannan, Robert Hedblom, Islam Gomaa, 2013 This book is a Packt tutorial walking the administrator through the steps needed to create real solutions to the problems and tasks faced when ensuring that their data is protected This book is for network administrators system administrators backup administrators or IT consultants who are looking to expand their knowledge on how to utilize DPM to protect their organization s data      *Microsoft System Center Data Protection Manager Cookbook* Charbel Nemnom, Patrick Lownds, 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 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

*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 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 **System Center 2012 Service Manager Unleashed** Kerrie Meyler, Kurt Van Hoecke, Samuel Erskine, Steve Buchanan, 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 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 2012 to 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 2012 Orchestrator Unleashed** Kerrie Meyler, 2013 Using System Center 2012 Orchestrator you can capture and document processes across your entire IT organization establishing the automation you need to deliver advanced cloud services and self adjusting computing resources Authored by five leading System Center experts this comprehensive reference and technical guide brings together all the knowledge you ll need to architect install implement integrate and maximize the value of your own Orchestrator solutions The authors introduce current best practices based on large scale enterprise implementations they ve personally led or participated in This up to date guide shows how to apply Orchestrator s major improvements to implement IT process automation in any environment including private clouds You ll start with context what Orchestrator does how it has evolved how it works and essential architecture and design techniques Next the authors help you make crucial up front decisions about activities runbooks security and administration Finally you ll find expert guidance for integrating Orchestrator with the rest of System Center and with Windows Azure cloud services including advanced automated workflows that encompass both data center and cloud Detailed information on how to Understand System Center 2012 Orchestrator s capabilities evolution architecture and design including SP1 improvements and R2 Successfully install System Center 2012 Orchestrator and migrate smoothly from Opalis Integration Server 6 3 Take full advantage of Orchestrator s advanced new runbook automation capabilities Configure activities associated with runbook control systems scheduling monitoring files email notification and data handling Design runbooks for fault tolerance and optimal performance Enforce strong security using roles permissions and auditing Deliver integration capabilities for Operations Manager Service Manager Configuration Manager Virtual Machine Manager and Data Protection Manager Automate end to end data center cloud workflows with integration packs and PowerShell Create your own integration packs with Orchestrator Integration Toolkit OIT SDK Support Orchestrator 2012 troubleshoot problems and discover the best web and third party resources Microsoft System Center 2016 Service Manager Cookbook Anders Asp (MVP), Andreas Baumgarten (MVP), Steve Beaumont (MVP), Steve Buchanan (MVP), Dieter Gasser, 2017-02-27 Discover over 100 practical recipes to help you master the art of IT service management for your organization About This Book Unleash the capabilities of Microsoft System Center 2016 Service Manager Master the skills of configuring deploying managing and troubleshooting your Service Manager 2016 This book contains practical recipes that leverage the key and newly added features and functionalities of Microsoft System Center 2016 Service Manager Who This Book Is For This book will be useful to IT professionals including SCSM administrators who want to configure and administer System Center Service Manager 2016

and understand how to solve specific problems and scenarios that arise It will also be useful to users of Service Manager 2012 who want to learn about the new features and capabilities of the Service Manager 2016 release It will be ideal if you have Service Manager experience as well as experience with other System Center products What You Will Learn See a practical implementation of the ITSM framework and processes based on ITIL Deploy and configure the new Service Manager HTML5 Self Service Portal along with Service Catalog design and configuration Get to know about Incident Problem and Change Management processes and configuration Get to grips with performing advanced personalization in Service Manager Discover how to set up and use automation with and within Service Manager 2016 Work with Service Manager Data Warehouse Find out what Security Roles are and how to implement them Learn how to upgrade from SCSM 2012 R2 to SCSM 2016 In Detail System Center Service Manager SCSM is an integrated platform that offers a simplified data center management experience by implementing best practices such as Incident Management Service Request and Change Control to achieve efficient service delivery across your organization This book provides you with real world recipes that can be used immediately and will show you how to configure and administer SCSM 2016 You ll also find out how to solve particular problems and scenarios to take this tool further You ll start with recipes on implementing ITSM frameworks and processes and configuring Service Level Agreements SLAs Then you ll work through deploying and configuring the HTML5 Self Service Portal configuring Incident and Problem Management and designing and configuring Change and Release Management You ll also learn about security roles and overall Microsoft SCSM 2016 administration Toward the end of the book we ll look at advanced topics such as presenting the wealth of information stored within the Service Manager Data Warehouse standardizing SCSM deployments and implementing automation Style and approach This book will enlighten you on Microsoft System Center 2016 Service Manager through recipes that can be implemented directly in any enterprise You can read the book from start to end if you re a beginner or just open up any chapter and start following the recipes as a reference for advanced users This book consists of a pool of step by step recipes on how to perform activities in Service Manager

*Microsoft System Center Data Protection for the Hybrid Cloud* Shreesh Dubey,Vijay Tandra Sistla,Shivam Garg,Aashish Ramdas,Mitch Tulloch,2015-06-06 Part of a series of specialized guides on System Center this book helps you optimize your System Center Data Protection Manager environment It focuses on best practices design concepts how to procedures and in depth technical troubleshooting

**Exam Ref 70-533 Implementing Microsoft Azure Infrastructure Solutions** Michael Washam,Rick Rainey,2015-02-18 Prepare for Microsoft Exam 70 533 and help demonstrate your real world mastery of Microsoft Azure infrastructure solution implementation Designed for experienced IT pros ready to advance their status Exam Ref focuses on the critical thinking and decision making acumen needed for success at the Microsoft Specialist level Focus on the expertise measured by these objectives Deploy configure monitor and scale websites Implement virtual machine workloads images disks networking and storage Configure deploy manage and monitor cloud services



Implement blobs Azure files SQL databases and recovery services Manage access and configure diagnostics monitoring and analytics Implement an Azure Active Directory and integrate apps Configure and modify virtual networks including multisite and hybrid networks This Microsoft Exam Ref Organizes its coverage by exam objectives Features strategic what if scenarios to challenge you Will be valuable for IT pros including enterprise architects DevOps network server virtualization and identity engineers and storage or security administrators Assumes you have experience implementing Microsoft Azure infrastructure solutions Implementing Microsoft Azure Infrastructure Solutions About the Exam Exam 70 533 focuses on the skills and knowledge needed to implement web sites virtual machines cloud services storage Azure Active Directory and virtual networks with Microsoft Azure About Microsoft Certification Passing this exam earns you a Microsoft Specialist certification in Microsoft Azure demonstrating your expertise with the Microsoft Azure enterprise grade cloud platform You can earn this certification by passing Exam 70 532 Developing Microsoft Azure Solutions or Exam 70 533 Implementing Microsoft Azure Infrastructure Solutions or Exam 70 534 Architecting Microsoft Azure Solutions See full details at [microsoft.com/learning](http://microsoft.com/learning) **Managing Microsoft Hybrid Clouds** Marcel van den Berg,2015-03-31 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

**Exam Ref 70-246** Orin Thomas,2014 Prepare for Microsoft Exam 70 246 and help demonstrate your real world mastery of monitoring and operating a private cloud based on Microsoft System Centre 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 Configure data centre process automation Deploy resource monitoring Monitor resources Configure and maintain service management Manage configuration and protection This Microsoft Exam Ref Organises its coverage by objectives for Exam 70 246 Features strategic what if scenarios to challenge you Requires experience with Windows Server System Centre 2012 security high availability fault tolerance and networking in an enterprise environment and basic skills with SQL Server Windows PowerShell and application configuration 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 Configuration Manager Advanced Deployment** Martyn Coupland,2014-09-25 If you are an experienced Configuration Manager administrator looking to advance your career or get more from your current environment then this book is ideal for you Prior experience of deploying and managing a Configuration Manager site would be helpful in following the examples throughout this book

*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

**Windows Server 2008 Hyper-V** John Kelbley, Mike Sterling, Allen Stewart, 2011-01-13 Hyper V is one of the top virtualization products and this practical guide focuses on the essentials of Windows Server 2008 Hyper V Written by the Microsoft team behind the Hyper V product this book shows you how to perform key virtualization scenarios such as server consolidation software test and development and a dynamic data center and demonstrates how Hyper V can be used to reduce cost and eliminate the complexity of a server infrastructure by consolidating workloads to a small number of machines In addition the material addresses using DPM and SCOM with VMM

in order to maintain and manage Hyper V environments      *Exam Ref 70-696* Orin Thomas, 2014 Annotation Prepare for Microsoft certification Exam 70 696 and demonstrate your skills in deploying and managing apps and devices in the enterprise

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