



Microsoft System Center 2012 Orchestrator Cookbook

Automate mission-critical tasks with this practical, real-world guide to System Center 2012 Orchestrator

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Microsoft System Center 2012 Orchestrator Cookbook

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Microsoft System Center 2012 Orchestrator Cookbook:

Microsoft System Center 2012 Orchestrator Cookbook Samuel Erskine, Andreas Baumgarten (Mvp), Steven Beaumont, 2013 This book is written in a practical Cookbook style with numerous chapters and recipes focusing on creating runbooks to automate mission critical and everyday administration tasks System Center 2012 Orchestrator is for administrators who wish to simplify the process of automating systems administration tasks This book assumes that you have a basic knowledge of Windows Server 2008 Administration Active Directory Network Systems and Microsoft System Center technologies

Microsoft System Center 2016 Orchestrator Cookbook Michael Seidl, Andreas Baumgarten, Steve Beaumont, Samuel Erskine, 2017-07-26 Over 30 recipes to automate your mission critical tasks using the new and powerful Microsoft System Center 2016 Orchestrator About This Book Create powerful runbooks for the entire System Center 2016 product line Explore System Center 2016 Orchestrator to manage and automate your datacenter A recipe based guide to using SCO efficiently Who This Book Is For If you are a system administrator and want to simplify the process of automating system administration tasks using System Center Orchestrator 2016 then this book is for you A basic knowledge of SCO is expected What You Will Learn Create Runbooks for IT Service Management processes Design and create Runbooks for System Center Configuration Manager and Virtual Machine Manager Set up System Center Orchestrator making it highly available Create branching looping and child Runbooks to completely master System Center 2016 Orchestrator Implement a security model for your System Center Orchestrator deployment and to execute Runbooks Manage and automate your Datacenter with powerful Runbooks Automate your System Center environment In Detail With Microsoft System Center 2016 Orchestrator Cookbook you will start by learning how to efficiently install and secure System Center Orchestrator You will then learn how you can create configuration files for SCO 2016 After initial installation and configuration you will soon be planning and creating functional and fault tolerant System Center runbooks to automate daily tasks and routine operations Next you will delve into runbooks you will learn how to create powerful and advanced runbooks such as Building your Runbook without a Dead End You will also learn to create simple and advanced runbooks for your daily tasks Towards the end of the book you will learn to use SCO for other interesting tasks and also learn to maintain and perform SCO health checks By the end of the book you will be able to automate your administrative tasks successfully with SCO Style and approach This book is written in a practical cookbook style with numerous chapters and recipes focusing on creating runbooks to automate mission critical and everyday administration tasks

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 *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

[System Center 2012 Orchestrator Unleashed](#) Kerrie Meyler,Pete Zerger,Marcus Oh,Anders Bengtsson,Kurt Van Hoecke,2013-09-13 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

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

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 Designing Orchestrator Runbooks David Ziembicki,Aaron Cushner,Andreas Rynes,Mitch Tulloch,2013-09-15 Part of a series of specialized guides on System Center this book delivers a focused drilldown into designing runbooks for Orchestrator workflow management solutions Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key design concepts criteria and tasks

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 **Learning Hyper-V** Vinícius R. Apolinário, 2015-05-30 This book focuses on readers starting their journey with Hyper V and assumes they have minimal or no knowledge of virtualization

Mastering Microsoft Azure Infrastructure Services John Savill, 2015-04-20 Understand create deploy and maintain a public cloud using Microsoft Azure Mastering Microsoft Azure Infrastructure Services guides you through the process of creating and managing a public cloud and virtual network using Microsoft Azure With step by step instruction and clear explanation this book equips you with the skills required to provide services both on premises and off premises through full virtualization providing a deeper understanding of Azure s capabilities as an infrastructure service Each chapter includes online videos that visualize and enhance the concepts presented in the book and access to a Windows app that provides instant Azure updates and demonstrates the process of going from on premises to public cloud via Azure Coverage includes storage customization connectivity virtual networks backing up hybrid environments System Center management and more giving you everything you need to understand evaluate deploy and maintain environments that utilize Microsoft Azure Understand cost options and applications of Infrastructure as a Service IaaS Enable on and off premises connectivity to Azure Customize Azure templates and management processes Exploit key technologies and embrace the hybrid environment Mastering Microsoft Azure Infrastructure Services is your total solution

Introducing Microsoft System Center 2012 R2 Mitch Tulloch, Symon Perriman, Microsoft System Center Team, 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

System Center 2012 Configuration Manager (SCCM) Unleashed Kerrie Meyler, Byron Holt, Marcus Oh, Jason Sandys, Greg Ramsey, 2012-07-16 This is the comprehensive reference and technical guide to Microsoft System Center Configuration Manager 2012 A team of expert authors offers step by step coverage of related topics in every feature area organized to help IT professionals rapidly optimize Configuration Manager 2012 for their requirements and then deploy and use it successfully The authors begin by introducing Configuration Manager 2012 and its goals and explaining how it fits into the broader System Center product suite Next they fully address planning design and implementation Finally they systematically cover each of Configuration Manager 2012 s most important feature sets addressing issues ranging from configuration management to software distribution Readers will learn how to use Configuration Manager 2012 s user centric capabilities to provide anytime anywhere services and software and to strengthen

both control and compliance The first book on Configuration Manager 2012 System Center Configuration Manager 2012 Unleashed joins Sams market leading series of books on Microsoft s System Center product suite books that have achieved go to status amongst IT implementers and administrators worldwide **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 System Center Reporting Cookbook Samuel Erskine,Dieter Gasser,Kurt Van Hoecke,2015-03-27 This book is for IT professionals who are responsible for producing reports using the data from System Center components Basic knowledge of Microsoft System Center technologies is assumed Hyper-V Best Practices Benedict Berger,2014-11-28 This book is intended for those who already have some basic experience with Hyper V and now want to gain additional capabilities and knowledge of Hyper V If you have used Hyper V in a lab environment before and now want to close the knowledge gap to transfer your Hyper V environment to production this is the book for you **Mastering Windows Server 2016 Hyper-V** John Savill,2016-12-19 Build a seamless flexible full service datacenter solution Microsoft Windows Server 2016 Hyper V is the IT administrator s guide to this rising datacenter solution Hyper V has already surpassed VMWare in datacenter management identity service for multiple devices and more this book shows you how to harness the power of this hypervisor to simplify the infrastructure reduce costs improve productivity and better manage system resources From a tour of the technology through architecture deployment and integration of System Center Microsoft Azure and Microsoft Azure Stack the discussion illustrates the skills you need to create a complete solution for optimum enterprise management Coverage includes Windows Azure capabilities for virtual machines managing a hybrid cloud IaaS storage capabilities PowerShell and more with practical real world guidance from a leading authority in the field Hyper V has recently undergone improvements in scalability and features that have positioned it as an ideal solution in the Small Medium Business and Enterprise markets This book shows you how to exploit these new capabilities to build a robust data solution for your organization Discover the capabilities of Microsoft Hyper V Architect a Hyper V datacenter solution Plan and manage a deployment or migration Integrate complementary

technologies for full scalability Data is everywhere on desktops laptops phones and multiple operating systems accessed through email text messages web searches online services and more All of this data must be stored accessible updated backed up secured managed sorted and analyzed sometimes instantly Hyper V is the rising star in the virtualization space and Microsoft Windows Server 2016 Hyper V shows you how to turn greater capabilities into better datacenter solutions

Building Clouds with Windows Azure Pack Amit Malik, 2016-01-29 Bring the benefits of Azure Pack to your cloud service and discover the secrets of enterprise class solutions About This Book Build deploy and manage cloud solutions using combination of Windows Azure Pack System Center and Hyper V Impress your peers at work by learning to build applications that can leverage the cloud to meet the needs of your organization Get overall view about the functionalities of Azure Pack and understand how to build cloud fabric IaaS PaaS DBaaS offerings Who This Book Is For This book targets cloud and virtualization professionals willing to get hands on exposure to Windows Azure Pack It will help virtualization customers adopt cloud architecture and would also help existing cloud providers to understand the benefits of Azure Pack This book will also be of use to cloud professionals from other platforms such as VMware OpenStack to appreciate and evaluate Azure Pack What You Will Learn Learn about Windows Azure Pack architecture Get Cloud Fabric ready and then plan install and configure Windows Azure Pack solution Build VM clouds and IaaS offerings for private Cloud and service provider s Cloud solutions Learn about planning and deployment of three Cloud services models of WAP IaaS PaaS WebSites Service Bus DBaaS SQL MySQL Plan and manage Azure Pack plans subscriptions and add on s for tenants Experience the solution built from tenant or customer point of view Integrate Azure Pack with Service Management Automation SMA to automate your cloud Solution Extend your Azure Pack capabilities and integrate it with other vendors or solutions components such as VMware Cloud Cruiser etc In Detail Windows Azure Pack is an on premises cloud solution by Microsoft which can be leveraged by Organizations and Services providers for building an enterprise class cloud solution WAP provides consistent experience to Microsoft Azure along with capabilities such as multi tenancy high density self service automated WAP can be leveraged to provide both IaaS PaaS Offerings to internal and external customers In this book we will learn about planning and deployment of Cloud Fabric for Windows Azure Pack Azure Pack components VM Clouds and IaaS offerings PaaS Offering including WebSites Service Bus DBaaS offerings Automation with SMA and extending capabilities with third party products integration and tenant experience for all services Style and approach This book is a step by step guide accompanied by extensive screenshots to help existing cloud professionals understand what value Azure Pack can add in their cloud services and how it can be deployed

Windows Azure Developer's e-Book Bundle Bruce Johnson, Benjamin Perkins, James Chambers, Danny Garber, Jamal Malik, Adam Fazio, 2013-10-31 A collection of five must have Azure titles from some of the biggest names in the field Available individually but at a discounted rate for the collection this bundle of five e books covers key developer and IT topics of Windows Azure including ASP NET mobile services web sites data storage and

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