



System Center 2012 R2 Virtual Machine Manager Cookbook, 2nd Edition

By Edvaldo Alessandro Cardoso

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Over 70 recipes to help you design, configure, and manage a reliable and efficient virtual infrastructure with VMM 2012 R2

About This Book

- Create, deploy, and manage datacenters and private and hybrid clouds with hybrid hypervisors using VMM 2012 R2
- Integrate and manage fabric (compute, storages, gateways, and networking), services and resources, and deploy clusters from bare metal servers
- Explore VMM 2012 R2 features such as Windows 2012 R2 and SQL 2012 support, converged networks, network virtualization, live migration, Linux VMs, and resource throttling and availability

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.

We assume that you have previous experience with Windows 2012 R2 and Hyper-V.

What You Will Learn

- Plan and design a VMM architecture for real-world deployment
- Configure network virtualization, gateway integration, storage integration, resource throttling, and availability options
- Integrate SC Operations Manager (SCOM) with VMM to monitor your infrastructure
- Integrate SC APP Controller (SCAC) with VMM to manage private and public clouds (Azure)
- Deploy clusters with VMM Bare Metal
- Create and deploy virtual machines from templates

- Deploy a highly available VMM Management server
- Manage Hyper-V, VMware, and Citrix® from VMM
- Upgrade from previous VMM versions

In Detail

Microsoft System Center 2012 is a comprehensive IT infrastructure, virtualization, and cloud management platform. With System Center 2012, you can easily and efficiently deploy, manage, and monitor a virtualized infrastructure, as well as services and applications across multiple hypervisors. This can also be done across public and private cloud infrastructures to deliver flexible and cost-effective IT services for your business.

This book will take you through a series of recipes to streamline your System Center VMM architecture. Each section has been discreetly designed to help you simplify, plan, and deploy a highly scalable, high availability virtual infrastructure. The first few sections take you through the design and installation of System Center 2012 R2 VMM and Windows 2012 Hyper-V R2 features. Network virtualization, storage integration, and bare metal deployment are also covered in this book.

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Editorial Review

About the Author

Edvaldo Alessandro Cardoso

Edvaldo Alessandro Cardoso is passionate about technology, an evangelist, and a subject matter expert on cloud, virtualization, and management. He is an author and also a speaker at key technical events in Australia and New Zealand. He has been the Microsoft Most Valuable Professional for Hyper-V since 2009. He leads major virtualization, UC&C, and AD and Exchange projects for large customers in APJ, closely collaborating and liaising with presales and sales teams to ensure client satisfaction and IT synergies. He has experience working within multigeographic and virtual teams. He has in-depth knowledge across the Microsoft and VMware technologies stack. He holds the Microsoft MCSE+S and VMware VCP certifications. He also has experience leading complex global projects in his 24-year career in IT; he has worked in segments spanning the government, health, education, and IT services sectors. He is an established manager with extensive leadership experience in all facets of IT management and functional management practices. He recently authored the book, *Microsoft System Center Virtual Machine Manager 2012 Cookbook* (<http://wp.me/p15Fu3-mK>), and reviewed the books, *Windows Server 2012 Hyper-V Cookbook*, *Microsoft Hyper-V Cluster Design*, and *VMware vSphere 5.1 Cookbook*, all by Packt Publishing. He is a blogger at <http://cloudtidings.com/>. You can also follow him on Twitter: @cloudtidings.

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