

VMware Software-Defined Storage: A Design Guide to the Policy-Driven, Software-Defined Storage Era

By Martin Hosken

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The inside guide to the next generation of data storage technology

VMware Software-Defined Storage, A Guide to the Policy Driven, Software-Defined Storage Era presents the most in-depth look at VMware's next-generation storage technology to help solutions architects and operational teams maximize quality storage design. Written by a double VMware Certified Design Expert, this book delves into the design factors and capabilities of Virtual SAN and Virtual Volumes to provide a uniquely detailed examination of the software-defined storage model. Storage-as-a-Service (STaaS) is discussed in terms of deployment through VMware technology, with insight into the provisioning of storage resources and operational management, while legacy storage and storage protocol concepts provide context and demonstrate how Virtual SAN and Virtual Volumes are meeting traditional challenges. The discussion on architecture emphasizes the economies of storage alongside specific design factors for next-generation VMware based storage solutions, and is followed by an example in which a solution is created based on the preferred option identified from a selection of cross-site design options.

Storage hardware lifecycle management is an ongoing challenge for IT organizations and service providers. VMware is addressing these challenges through the software-defined storage model and Virtual SAN and Virtual Volumes technologies; this book provides unprecedented detail and expert guidance on the future of storage.

- Understand the architectural design factors of VMware-based storage
- Learn best practices for Virtual SAN stretched architecture implementation
- Deploy STaaS through vRealize Automation and vRealize Orchestrator
- Meet traditional storage challenges with next-generation storage technology

Virtual SAN and Virtual Volumes are leading the way in efficiency, automation, and simplification, while maintaining enterprise-class features and performance. As organizations around the world are looking to cut costs without sacrificing

performance, availability, or scalability, VMware-based next-generation storage solutions are the ideal platform for tomorrow's virtual infrastructure. *VMware Software-Defined Storage* provides detailed, practical guidance on the model that is set to transform all aspects of vSphere data center storage.

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Editorial Review

From the Back Cover

VMWare next-generation technologies

Traditional storage models are no longer meeting the needs of IT organizations, and the future lies in simpler, less-complex hardware that does not require highly-trained administrators to maintain. In addition, organizations around the world are looking to cut costs without sacrificing performance, availability, or scalability, creating ongoing challenges for storage architects and administrators. VMware is addressing these challenges through the software-defined storage model and Virtual SAN and Virtual Volume technologies; *VMware Software-Defined Storage* examines these solutions in unprecedented detail to give IT professionals the deep understanding they need to maximize quality storage design.

This book details this next generation of vSphere storage architecture, providing detailed guidance on the design and implementation of a Virtual SAN stretched architecture, legacy storage, storage protocol concepts, and Storage-as-a-Service (STaaS) through vRealize Automation and vRealize Orchestrator.

Coverage includes:

- Examine classic storage models and vSphere® storage technologies
- Understand policy-driven storage and stretched cluster design
- Design and build for scalability
- Use Virtual SAN and Virtual Volumes effectively
- Adopt a more productive workflow strategy for delivering STaaS
- Implement best practices for monitoring and storage operations design
- Delve into storage strategy, resource economies, architecture, and more

Learn How to Implement a Software-Defined Storage Strategy

Understand Classic Storage Models and Constructs

Coordinate Fabric Connectivity and Storage I/O Architecture

Find Out How to Build A Cloud Management Platform Ecosystem with Virtual SAN

Leverage the vRealize Orchestrator, Operations Manager, and Log Insight

About the Author

Martin Hosken, VCDX is a Global Cloud Architect and part of the Cloud Provider Software Business Unit at VMWare. One of only a small number of double VMWare Certified Design Experts in the world, he has been awarded the annual VMWare vExpert title for the past four years. Martin specializes in the design, implementation, and integration of Cisco, EMC, IBM, HP, Dell, and VMWare systems into enterprise environments and cloud service provider infrastructure.

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The event that you get from VMware Software-Defined Storage: A Design Guide to the Policy-Driven, Software-Defined Storage Era could be the more deep you excavating the information that hide within the words the more you get enthusiastic about reading it. It doesn't mean that this book is hard to comprehend but VMware Software-Defined Storage: A Design Guide to the Policy-Driven, Software-Defined Storage Era giving you thrill feeling of reading. The copy writer conveys their point in certain way that can be understood by anyone who read the item because the author of this book is well-known enough. This particular book also makes your own personal vocabulary increase well. Therefore it is easy to understand then can go together with you, both in printed or e-book style are available. We advise you for having this particular VMware Software-Defined Storage: A Design Guide to the Policy-Driven, Software-Defined Storage Era instantly.

Sylvia Harrington:

The guide with title VMware Software-Defined Storage: A Design Guide to the Policy-Driven, Software-Defined Storage Era contains a lot of information that you can find out it. You can get a lot of help after read this book. This kind of book exist new understanding the information that exist in this reserve represented the condition of the world currently. That is important to yo7u to find out how the improvement of the world. This particular book will bring you throughout new era of the syndication. You can read the e-book on your own smart phone, so you can read the item anywhere you want.

Bertha Chang:

The book untitled VMware Software-Defined Storage: A Design Guide to the Policy-Driven, Software-Defined Storage Era contain a lot of information on that. The writer explains your ex idea with easy technique. The language is very clear and understandable all the people, so do not really worry, you can easy to read the idea. The book was written by famous author. The author will bring you in the new age of literary works. It is possible to read this book because you can read on your smart phone, or product, so you can read the book in anywhere and anytime. If you want to buy the e-book, you can start their official web-site in addition to order it. Have a nice learn.

Chris Manley:

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