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# **HPE MSA Storage Configuration and Best Practices for VMware vSphere**

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## **Hpe Msa Storage Configuration And Best Practices For:**

IBM Midrange System Storage Implementation and Best Practices Guide Sangam Racherla, Bruce Allworth, Alessio Bagnaresi, Chris Bogdanowicz, Corne Lottering, Pablo Pedrazas, Frank Schubert, John Sexton, Alexander Watson, IBM Redbooks, 2010-03-31 This IBM Redbooks publication represents a compilation of best practices for deploying and configuring IBM Midrange System Storage™ servers which include the DS4000 and the DS5000 family of products This book is intended for IBM technical professionals Business Partners and customers responsible for the planning deployment and maintenance of the IBM Midrange System Storage family of products We realize that setting up DS4000 and DS5000 Storage Servers can be a complex task There is no single configuration that will be satisfactory for every application or situation First we provide a conceptual framework for understanding the hardware in a Storage Area Network Then we offer our guidelines hints and tips for the physical installation cabling and zoning using the Storage Manager setup tasks After that we turn our attention to the performance and tuning of various components and features including numerous guidelines We look at performance implications for various application products such as DB2 Oracle Tivoli Storage Manager Microsoft SQL server and in particular Microsoft Exchange with IBM Midrange System Storage servers Then we review the various tools available to simulate workloads and to measure collect and analyze performance data We also consider the AIX environment including High Availability Cluster Multiprocessing HACMP™ and General Parallel File System GPFSTM Finally we provide a quick guide to the storage server installation and configuration using best practices This edition of the book also includes guidelines for managing and using the DS4000 and DS5000 with the IBM System Storage SAN Volume Controller SVC

**IBM System Storage N series and VMware vSphere Storage Best Practices** Alex Osuna, Roland Tretau, Peter Learmonth, Michael Slisinger, Vaughn Stewart, Larry Touchette, IBM Redbooks, 2010-07-20 IBM System Storage N series technology enables companies to extend their virtual infrastructures to include the benefits of advanced storage virtualization The N series offers unified storage solutions that provide industry leading technologies in the areas of storage efficiencies instantaneous virtual machine and datastore cloning for virtual servers and virtual desktops and virtual data center backup and business continuance solutions This IBM Redbooks publication reviews the best practices for anyone who is implementing VMware vSphere with N series unified storage arrays

**IBM SAN Solution Design Best Practices for VMware vSphere ESXi** Jon Tate, Richard Kelley, Scheila Rossana Rinaldo Maliska, Leandro Torolho, Michael Voigt, IBM Redbooks, 2013-09-16 In this IBM Redbooks publication we describe recommendations based on an IBM b type storage area network SAN environment that is utilizing VMware vSphere ESXi We describe the hardware and software and the unique features that they bring to the marketplace We then highlight those features and how they apply to the SAN environment and the best practices for ensuring that you get the best out of your SAN For background reading we recommend the following Redbooks publications Introduction to Storage Area Networks and System Networking SG24 5470 IBM System Storage SAN

Volume Controller Best Practices and Performance Guidelines SG24 7521 IBM System Storage SAN Volume Controller and Storwize V7000 Replication Family Services SG24 7574 Implementing the IBM System Storage SAN Volume Controller V6 3 SG24 7933 IBM SAN Volume Controller Stretched Cluster with PowerVM and PowerHA SG24 8142 Implementing the IBM SAN Volume Controller and FlashSystem 820 SG24 8172 IBM System Storage DS8000 Copy Services for Open Systems SG24 6788 IBM System Storage DS8000 Host Attachment and Interoperability SG24 8887 This book is aimed at pre and post sales support system administrators and storage administrators

**Performance and Best Practices Guide for IBM Storage FlashSystem and IBM SAN Volume Controller (for IBM Storage Virtualize 8.6)** Bernhard Albrecht, Christian Schroeder, Denis Olshanskiy, Hartmut Lonzer, John Nycz, Jon Herd, Konrad Trojok, Nils Olsson, Patrik Groß, Rene Wuellenweber, Sergey Kubin, Vasfi Gucer, Vineet Sharma, IBM Redbooks, 2024-10-30 This IBM Redbooks publication captures several best practices and describes the performance gains that can be achieved by implementing the IBM Storage FlashSystem and IBM SAN Volume Controller SVC products running IBM Storage Virtualize 8.6 These practices are based on field experience This book highlights configuration guidelines and best practices for the storage area network SAN topology clustered system back end storage storage pools and managed disks MDisks volumes Remote Copy services and hosts This book is intended for experienced storage SAN IBM Storage FlashSystem and SVC administrators and technicians Understanding this book requires advanced knowledge of these environments This book is focused on IBM Storage FlashSystem and SVC systems that run IBM Storage Virtualize 8.6 Most configuration principles and best practices that are described in the book are still applicable for systems that cannot be upgraded to version 8.6 but some features are not available

**IBM System Storage SAN Volume Controller Best Practices and Performance Guidelines** Mary Lovelace, 2012 This IBM Redbooks publication captures several of the best practices based on field experience and describes the performance gains that can be achieved by implementing the IBM System Storage SAN Volume Controller V6.2 This book begins with a look at the latest developments with SAN Volume Controller V6.2 and reviews the changes in the previous versions of the product It highlights configuration guidelines and best practices for the storage area network SAN topology clustered system back end storage storage pools and managed disks volumes remote copy services and hosts Then this book provides performance guidelines for SAN Volume Controller back end storage and applications It explains how you can optimize disk performance with the IBM System Storage Easy Tier function Next it provides best practices for monitoring maintaining and troubleshooting SAN Volume Controller Finally this book highlights several scenarios that demonstrate the best practices and performance guidelines This book is intended for experienced storage SAN and SAN Volume Controller administrators and technicians Before reading this book you must have advanced knowledge of the SAN Volume Controller and SAN environment For background information read the following Redbooks publications Implementing the IBM System Storage SAN Volume Controller V5.1 SG24 6423 Introduction to Storage Area Networks SG24 5470 [IBM SAN Volume](#)

Controller Best Practices and Performance Guidelines for IBM Spectrum Virtualize Version 8.4.2 Antonio Rainero,Carlton Beatty,David Green,Hartmut Lonzer,Jonathan Wilkie,Kendall Williams,Konrad Trojok,Mandy Stevens,Nezih Boyacioglu,Nils Olsson,Renato Santos,Rene Oehme,Sergey Kubin,Thales Noivo Ferreira,Uwe Schreiber,Vasfi Gucer,IBM Redbooks,2022-01-17 This IBM Redbooks publication captures several of the preferred practices and describes the performance gains that can be achieved by implementing the IBM SAN Volume Controller powered by IBM Spectrum Virtualize Version 8 4 2 These practices are based on field experience This book highlights configuration guidelines and preferred practices for the storage area network SAN topology clustered system back end storage storage pools and managed disks volumes Remote Copy services and hosts It explains how you can optimize disk performance with the IBM System Storage Easy Tier function It also provides preferred practices for monitoring maintaining and troubleshooting This book is intended for experienced storage SAN IBM FlashSystem IBM SAN Volume Controller and IBM Storwize administrators and technicians Understanding this book requires advanced knowledge of these environments **IBM System Storage SAN Volume Controller and Storwize V7000** Jon Tate,2014 This book begins with a look at the latest developments with SAN Volume Controller and Storwize V7000 and reviews the changes in the previous versions of the product It highlights configuration guidelines and preferred practices for the storage area network SAN topology clustered system back end storage storage pools and managed disks volumes remote copy services and hosts Then this book provides performance guidelines for SAN Volume Controller back end storage and applications It explains how you can optimize disk performance with the IBM System Storage Easy Tier function Next it provides preferred practices for monitoring maintaining and troubleshooting SAN Volume Controller and Storwize V7000 Finally this book highlights several scenarios that demonstrate the preferred practices and performance guidelines **Storage Design and Implementation in vSphere 6** Mostafa Khalil,2017 **IBM System Storage SAN Volume Controller and Storwize V7000** Jon Tate,Pawel Brodacki,Tilak Buneti,Christian Burns,Jana Jamsek,Erez Kirson,Marcin Tabinowski,Bosmat Tuv-El,2013 This IBM Redbooks publication captures several of the preferred practices that are based on field experience and describes the performance gains that can be achieved by implementing the IBM System Storage SAN Volume Controller and Storwize V7000 V7 2 This book begins with a look at the latest developments with SAN Volume Controller and Storwize V7000 and reviews the changes in the previous versions of the product It highlights configuration guidelines and preferred practices for the storage area network SAN topology clustered system back end storage storage pools and managed disks volumes remote copy services and hosts Then this book provides performance guidelines for SAN Volume Controller back end storage and applications It explains how you can optimize disk performance with the IBM System Storage Easy Tier function Next it provides preferred practices for monitoring maintaining and troubleshooting SAN Volume Controller and Storwize V7000 Finally this book highlights several scenarios that demonstrate the preferred practices and performance guidelines **IBM Sstem Storage**

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