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and ProtecTIER



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Xiv Storage System Host Attachment And Interoperability:

IBM XIV Storage System: Host Attachment and Interoperability Bertrand Dufrasne, Bruce Allworth, Desire Brival, Mark Kremkus, Markus Oscheka, Thomas Peralto, IBM Redbooks, 2014-06-18 This IBM Redbooks publication provides information for attaching the IBM XIV Storage System to various host operating system platforms including IBM i The book provides information and references for combining the XIV Storage System with other storage platforms host servers or gateways including IBM N Series and IBM ProtecTIER It is intended for administrators and architects of enterprise storage systems The book also addresses using the XIV storage with databases and other storage oriented application software that include IBM DB2 VMware ESX Microsoft HyperV SAP The goal is to give an overview of the versatility and compatibility of the XIV Storage System with various platforms and environments The information that is presented here is not meant as a replacement or substitute for the Host Attachment kit publications It is meant as a complement and to provide readers with usage guidance and practical illustrations *IBM XIV Storage System* IBM Redbooks, 2012-04-06 XIV Storage System

Bertrand Dufrasne, 2011 **IBM FlashSystem A9000, IBM FlashSystem A9000R, and IBM XIV Storage System: Host Attachment and Interoperability** Bertrand Dufrasne, Bert Dufrasne, Roger Eriksson, Detlef Helmbrecht, Petar

Kalachev, Bruce Spell, IBM Redbooks, 2019-09-24 This IBM Redbooks publication provides information for attaching the IBM FlashSystem A9000 IBM FlashSystem A9000R and IBM XIV Storage System to various host operating system platforms such as IBM AIX and Microsoft Windows This publication was last updated in May 2019 to cover the VLAN tagging and port trunking support available with software version 12.3.2 see in particular section 2.4 VLAN tagging on page 67 The goal is to give an overview of the versatility and compatibility of the IBM Spectrum™ Accelerate family of storage systems with various platforms and environments The information that is presented here is not meant as a replacement or substitute for the IBM Storage Host Attachment Kit publications or other product publications It is meant as a complement and to provide usage guidance and practical illustrations This publication does not address attachments to a secondary system used for Remote Mirroring or data migration These topics are covered in IBM FlashSystem A9000 and IBM FlashSystem A9000 and A9000R Business Continuity Solutions REDP 5401 **IBM FlashSystem A9000, IBM FlashSystem A9000R, and IBM**

XIV Storage System Markus Oscheka, Bruce Spell, Roger Eriksson, Detlef Helmbrecht, Jana Jamsek, Bertrand Dufrasne, 2017 This IBM Redbooks publication provides information for attaching the IBM FlashSystem A9000 IBM FlashSystem A9000R and IBM XIV Storage System to various host operating system platforms such as IBM AIX and Microsoft Windows The goal is to give an overview of the versatility and compatibility of the IBM Spectrum™ Accelerate family of storage systems with various platforms and environments The information that is presented here is not meant as a replacement or substitute for the Host Attachment Kit publications It is meant as a complement and to provide usage guidance and practical illustrations

Solid-State Drive Caching in the IBM XIV Storage System Bertrand Dufrasne, In Kyu Park, Francesco Perillo, Hank

Sautter,Stephen Solewin,Anthony Vattathil,IBM Redbooks,2012-05-10 This IBM Redpaper™ publication provides information about the implementation and use of solid state drives SSDs in IBM XIV Storage System XIV Generation 3 Gen3 running XIV software version 11.1.0 or later In the XIV system SSDs are used to increase the read cache capacity of the existing DRAM memory cache and are not used for persistent storage This paper begins with a high level overview of the SSD implementation in XIV and a brief review of the SSD technology with focus on the XIV system It explains the SSD Caching design and implementation in XIV Then it examines typical workloads that can benefit from the SSD Caching extension and introduces the tools and utilities to help you analyze and understand the workload In particular it highlights the block tracing facility that was designed and developed by IBM Research Then this paper explains the process that authorized IBM services representatives use to install SSD Caching It reviews the changes made to the XIV GUI and the XCLI to support SSD Caching Finally this paper provides a listing of the new alert generating events and monitoring options that are provided for SSD support This paper is intended for users who want an insight into the XIV SSD Caching implementation and architecture its capabilities and usage For more information about the IBM XIV Storage System see the IBM Redbooks publication IBM XIV Storage System Architecture Implementation and Usage SG24 7659

IBM XIV Storage System: IBM Hyper-Scale Mobility Overview and Usage Bertrand Dufrasne,Christian Burns,Guenther Rebmann,Hank Sautter,Jim Sedgwick,IBM Redbooks,2013-06-24 IBM Hyper Scale introduces two major new technologies both implemented in the IBM XIV Storage System Gen3 models The first is IBM Hyper Scale Manager a flexible consolidated multi system management application that was originally released in October 2012 as Multi System Manager IBM Hyper Scale Manager is based on and seamlessly integrated with the XIV GUI and spans multiple XIV systems The second new technology IBM Hyper Scale Mobility is the topic of this publication It is a powerful function for moving volumes between storage containers transparently with no disruption to host applications IBM Hyper Scale helps you easily overcome provisioning scenarios that normally challenge traditional systems IBM Hyper Scale can accommodate several critical customer scenarios for data mobility load balancing over provisioning and storage system repurposing This IBM Redpaper™ publication provides a broad understanding of the IBM Hyper Scale Mobility feature The paper describes the IBM Hyper Scale architecture and includes detailed step by step scenarios that illustrate the online volume migration process both from the XIV GUI and the XIV Command Line Interface XCLI This publication is intended for XIV customers and users who want a practical understanding of IBM Hyper Scale Mobility concepts and usage

[IBM System Storage Solutions Handbook](#) Ezgi Coskun,Mikael Lindström,Maciej Olejniczak,Oliver Stark,Megan Gilge,IBM Redbooks,2016-07-15 The IBM System Storage Solutions Handbook helps you solve your current and future data storage business requirements It helps you achieve enhanced storage efficiency by design to allow managed cost capacity of growth greater mobility and stronger control over storage performance and management It describes the most current IBM storage products including the IBM Spectrum™ family

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Fibre Channel host bus adapter HBA The system downtime is greatly minimized in case a critical component such as a processor memory or host bus adapter fails and needs to be replaced The system administrator needs to swap only the hardware and reconfigure the HBA s BIOS switch zoning and host port definitions on the storage server The system image still exists on the logical drive therefore the server is fully operational after the hardware swap and configuration change is completed This IBM Redbooks publication can help you with the SAN Boot implementation We present various SAN Boot scenarios using IBM System Storage products that include DS5000 DS8000 XIV and SVC The operating systems that are covered include Windows 2008 Red Hat Linux SUSE Linux and VMware Deploying IBM Spectrum Accelerate on Cloud Bert Dufrasne,Nancy Kinney,Donald Mathisen,Christopher Moore,Markus Oscheka,Ralf Wohlfarth,Eric Zhang,IBM Redbooks,2015-12-15 This IBM Redpaper™ publication provides information about IBM Spectrum Accelerate™ on Cloud IBM Spectrum Accelerate on Cloud supplies a smart storage solution using servers on SoftLayer cloud It enables you to consume storage as a service without the need to install or maintain any hardware or software components IBM Spectrum Accelerate on Cloud enables users to replicate data in the cloud as an affordable disaster recovery DR solution The primary data can be either on IBM XIV Storage System devices or IBM Spectrum Accelerate on or off premises The initial deployment on SoftLayer is performed by engaging IBM Lab services This paper first describes the tasks performed by IBM Lab services explains the required customer preparation tasks followed by typical use case scenarios IBM XIV Storage System with the Virtual I/O Server and IBM i Bertrand Dufrasne,Roger Eriksson,Jana Jamsek,IBM Redbooks,2012-02-20 This IBM Redpaper™ publication explains how you can connect the IBM XIV Storage System server to the IBM i operating system through the Virtual I/O Server VIOS A connection through the VIOS is especially of interest to IT centers that have many small IBM i partitions When using the VIOS the Fibre Channel host adapters can be installed in the VIOS and shared by many IBM i clients by using virtual connectivity to the VIOS This paper also includes guidance for sizing XIV logical unit numbers LUNs when attached to the IBM i client *IBM Spectrum Accelerate Deployment, Usage, and Maintenance* Bertrand Dufrasne,Markus Oscheka,Grant Kabobel,Abilio Oliveira,IBM Redbooks,2017-07-19 This edition applies to IBM Spectrum Accelerate V11.5.4 IBM Spectrum Accelerate™ a member of IBM Spectrum Storage™ is an agile software defined storage solution for enterprise and cloud that builds on the customer proven and mature IBM XIV storage software The key characteristic of Spectrum Accelerate is that it can be easily deployed and run on purpose built or existing hardware that is chosen by the customer IBM Spectrum Accelerate enables rapid deployment of high performance and scalable block data storage infrastructure over commodity hardware on premises or off premises This IBM Redbooks publication provides a broad understanding of IBM Spectrum Accelerate The book introduces Spectrum Accelerate and describes planning and preparation that are essential for a successful deployment of the solution The deployment is described through a step by step approach by using a graphical user interface GUI based method or a simple command line interface CLI based procedure

Chapters in this book describe the logical configuration of the system host support and business continuity functions and migration. Although it makes many references to the XIV storage software, the book also emphasizes where IBM Spectrum Accelerate differs from XIV. Finally, a substantial portion of the book is dedicated to maintenance and troubleshooting to provide detailed guidance for the customer support personnel. [IBM FlashSystem A9000, IBM FlashSystem A9000R, and IBM XIV Storage System](#) Markus Oscheka, 2019

IBM System Storage DS8000: Host Attachment and Interoperability Axel Westphal, Bertrand Dufrasne, Juan Brandenburg, Jana Jamsek, Kai Jehnen, Steven Joseph, Massimo Olivieri, Ulrich Rendels, Mario Rodriguez, IBM Redbooks, 2013-02-14. This IBM Redbooks publication addresses host attachment and interoperability considerations for the IBM System Storage DS8000 series. Within this book, you can find information about the most popular host operating systems platforms including Windows, IBM AIX, VIOS, Linux, Solaris, HP UX, VMware, Apple, and IBM z OS. The topics covered in this book target administrators or other technical personnel with a working knowledge of storage systems and a general understanding of open systems. You can use this book as guidance when installing, attaching, and configuring System Storage DS8000. The practical, usage-oriented guidance provided in this book complements the IBM System Storage DS8000 Host Systems Attachment Guide SC26 7917.

IBM System Storage DS8000 Axel Westphal, Bertrand Dufrasne, Juan Brandenburg, Jana Jamsek, Kai Jehnen, Steven Joseph, Massimo Olivieri, Ulrich Rendels, Mario Rodriguez, 2013. This IBM Redbooks publication addresses host attachment and interoperability considerations for the IBM System Storage DS8000 series. Within this book, you can find information about the most popular host operating systems platforms including Windows, IBM AIX, VIOS, Linux, Solaris, HP UX, VMware, Apple, and IBM z OS. The topics covered in this book target administrators or other technical personnel with a working knowledge of storage systems and a general understanding of open systems. You can use this book as guidance when installing, attaching, and configuring System Storage DS8000. The practical, usage-oriented guidance provided in this book complements the IBM System Storage DS8000 Host Systems Attachment Guide SC26 7917.

[IBM System Storage Ds8000 Host Attachment and Interoperability](#) IBM Redbooks, 2011-03-25

[IBM Hyper-Scale Manager for IBM Spectrum Accelerate Family](#), 2018

IBM Hyper-Scale Manager for IBM Spectrum Accelerate Family: IBM XIV, IBM FlashSystem A9000 and A9000R, and IBM Spectrum Accelerate Bert Dufrasne, Lisa Martinez, IBM Redbooks, 2019-04-12. This IBM Redbooks publication describes storage management functions and their configuration and use with the IBM Hyper Scale Manager management graphical user interface (GUI) for IBM XIV Gen3, IBM FlashSystem A9000 and A9000R, and IBM Spectrum™ Accelerate software. The web-based GUI provides a revolutionary object-centered interface design that is aimed toward ease of use together with enhanced efficiency for storage administrators. The first chapter describes general features of the GUI and installation of the IBM Hyper Scale Manager server. Subsequent chapters illustrate some typical GUI actions among many other possibilities to manage and configure the storage systems to define security roles and to set up multitenancy. For most of the GUI-based

actions that are illustrated in this book the corresponding XIV Storage System command line interface XCLI commands are also shown This edition applies to IBM Hyper Scale Manager V5.4 IBM Hyper Scale Manager based GUI information regarding host attachment and replication is covered in IBM FlashSystem A9000 IBM FlashSystem A9000R and IBM XIV Storage System Host Attachment and Interoperability SG24 8368 and IBM FlashSystem A9000 and A9000R Business Continuity Solutions REDP 5401 See also IBM HyperSwap and Multi site HA DR for IBM FlashSystem A9000 and A9000R REDP 5434

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