#### Quick Reference For Ibm System Storage 10

Ezgi Coskun, Mikael Lindström, Maciej Olejniczak, Oliver Stark, Megan Gilge, IBM Redbooks

IBM System Storage N series Software Guide Roland Tretau, Christian Fev, Michael Klimes, Steven Pemberton, Tom Provost, Danny Yang, IBM Redbooks, 2014-07-31 Corporate workgroups, distributed enterprises, and small to mediumsized companies are increasingly seeking to network and consolidate storage to improve availability, share information, reduce costs, and protect and secure information. These organizations require enterprise-class solutions capable of addressing immediate storage needs cost-effectively, while providing an upgrade path for future requirements. IBM® System Storage® N series storage systems and their software capabilities are designed to meet these requirements. IBM System Storage N series storage systems offer an excellent solution for a broad range of deployment scenarios. IBM System Storage N series storage systems function as a multiprotocol storage device that is designed to allow you to simultaneously serve both file and block-level data across a single network. These activities are demanding procedures that, for some solutions, require multiple, separately managed systems. The flexibility of IBM System Storage N series storage systems, however, allows them to address the storage needs of a wide range of organizations, including distributed enterprises and data centers for midrange enterprises. IBM System Storage N series storage systems also support sites with computer and data-intensive enterprise applications, such as database, data warehousing, workgroup collaboration, and messaging. This IBM Redbooks® publication explains the software features of the IBM System Storage N series storage systems. This book also covers topics such as installation, setup, and administration of those software features from the IBM System Storage N series storage systems and clients and provides example scenarios.

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 StorageTM 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 (HACMPTM) 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 DS5000 Series Implementation and Best Practices Guide Sangam Racherla, Matus Butora, Antonio Dell'Apa, Mario Ganem, Corne Lottering, Libor Miklas, Hrvoje Stanilovic, Alexander Watson, IBM Redbooks, 2012-12-21 This IBM® Redbooks® publication represents a compilation of best practices for deploying and configuring the IBM System Storage® DS5000 Series 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 System Storage DS5000 Series family of products. We realize that setting up 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. Next, we provide a quick guide to help you install and configure the DS5000 using best practices. 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 IBM DB2®, Oracle, IBM Tivoli® Storage Manager, Microsoft SQL server, and in particular, Microsoft Exchange server. Then we review the various tools available to simulate workloads and to measure, collect, and analyze performance data. We also consider the IBM AIX® environment, including IBM High Availability Cluster Multiprocessing (HACMPTM) and IBM General Parallel File System (GPFSTM). This edition of the book also includes guidelines for managing and using the DS5000 with the IBM System Storage SAN Volume Controller (SVC) and IBM Storwize® V7000.

IBM System Storage Business Continuity: Part 1 Planning Guide Charlotte Brooks, Clem Leung, Aslam Mirza, Curtis Neal, Yin Lei Qiu, John Sing, Francis TH Wong, Ian R Wright, IBM Redbooks, 2007-03-07 A disruption to your critical business processes could leave the entire business exposed. Today's organizations face ever-escalating customer demands and expectations. There is no room for downtime. You need to provide your customers with continuous service because your customers have a lot of choices. Your competitors are standing ready to take your place. As you work hard to grow your business, you face the challenge of keeping your business running without a glitch. To remain competitive, you need a resilient IT infrastructure. This IBM Redbooks publication introduces the importance of Business Continuity in today's IT environments. It provides a comprehensive guide to planning for IT Business Continuity and can help you design and select an IT Business Continuity solution that is right for your business environment. We discuss the concepts, procedures, and solution selection for Business Continuity in detail, including the essential set of IT Business Continuity requirements that you need to identify a solution. We also present a rigorous Business Continuity Solution Selection Methodology that includes a sample Business Continuity workshop with step-by-step instructions in defining requirements. This book is meant as a central resource book for IT Business Continuity planning and design. The companion title to this book, IBM System Storage Business Continuity: Part 2 Solutions Guide, SG24-6548, describes detailed product solutions in the System Storage

Resiliency Portfolio.

IBM Power E1080 Technical Overview and Introduction Scott Vetter, Giuliano Anselmi, Manish Arora, Ivaylo Bozhinov, Dinil Das, Turgut Genc, Bartlomiej Grabowski, Madison Lee, Armin Röll, IBM Redbooks, 2022-12-01 This IBM® Redpaper® publication provides a broad understanding of a new architecture of the IBM Power® E1080 (also known as the Power E1080) server that supports IBM AIX®, IBM i, and selected distributions of Linux operating systems. The objective of this paper is to introduce the Power E1080, the most powerful and scalable server of the IBM Power portfolio, and its offerings and relevant functions: Designed to support up to four system nodes and up to 240 IBM Power10TM processor cores The Power E1080 can be initially ordered with a single system node or two system nodes configuration, which provides up to 60 Power10 processor cores with a single node configuration or up to 120 Power10 processor cores with a two system nodes configuration. More support for a three or four system nodes configuration is to be added on December 10, 2021, which provides support for up to 240 Power10 processor cores with a full combined four system nodes server. Designed to supports up to 64 TB memory The Power E1080 can be initially ordered with the total memory RAM capacity up to 8 TB. More support is to be added on December 10, 2021 to support up to 64 TB in a full combined four system nodes server. Designed to support up to 32 Peripheral Component Interconnect® (PCIe) Gen 5 slots in a full combined four system nodes server and up to 192 PCIe Gen 3 slots with expansion I/O drawers The Power E1080 supports initially a maximum of two system nodes; therefore, up to 16 PCIe Gen 5 slots, and up to 96 PCIe Gen 3 slots with expansion I/O drawer. More support is to be added on December 10, 2021, to support up to 192 PCIe Gen 3 slots with expansion I/O drawers. Up to over 4,000 directly attached serial-attached SCSI (SAS) disks or solid-state drives (SSDs) Up to 1,000 virtual machines (VMs) with logical partitions (LPARs) per system System control unit, providing redundant system master Flexible Service Processor (FSP) Supports IBM Power System Private Cloud Solution with Dynamic Capacity This publication is for professionals who want to acquire a better understanding of Power servers. The intended audience includes the following roles: Customers Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors (ISVs) This paper does not replace the current marketing materials and configuration tools. It is intended as an extra source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

IBM Midrange System Storage Hardware Guide Sangam Racherla, Bruce Allworth, Alessio Bagnaresi, Chris Bogdanowicz, Corne Lottering, Pablo Pedrazas, Frank Schubert, John Sexton, Alexander Watson, IBM Redbooks, 2010-03-16 This IBM® Redbooks® publication consolidates, in one document, detailed descriptions of the hardware configurations and options offered as part of the IBM Midrange System StorageTM servers, which include the IBM System Storage DS4000® and DS5000 families of products. This edition covers updates and additional functions available with the IBM System Storage DS® Storage Manager Version 10.60 (firmware level 7.60). This book presents the concepts and functions used in planning and managing the storage servers, such as multipathing and path failover. The book offers a step-by-step guide to using the Storage Manager to create arrays, logical drives, and

other basic (as well as advanced) management tasks. This publication also contains practical information about diagnostics and troubleshooting, and includes practical examples of how to use scripts and the command-line interface. This publication is intended for customers, IBM Business Partners, and IBM technical professionals who want to learn more about the capabilities and advanced functions of the DS4000 series of storage servers with Storage Manager Software V10.60. It also targets those who have a DS4000 and DS5000 storage subsystem and need detailed advice about how to configure it.

IBM System Storage Business Continuity: Part 2 Solutions Guide Charlotte Brooks, Clem Leung, Aslam Mirza, Curtis Neal, Yin Lei Qiu, John Sing, Francis TH Wong, Ian R Wright, IBM Redbooks, 2009-06-09 This IBM Redbooks publication is a companion to IBM System Storage Business Continuity: Part 1 Planning Guide, SG24-6547. We assume that the reader of this book has understood the concepts of Business Continuity planning described in that book. In this book we explore IBM System Storage solutions for Business Continuity, within the three segments of Continuous Availability, Rapid Recovery, and Backup and Restore. We position these solutions within the Business Continuity tiers. We describe, in general, the solutions available in each segment, then present some more detail on many of the products. In each case, the reader is pointed to sources of more information.

IBM System Storage DS5000 Series Hardware Guide Sangam Racherla, Matus Butora, Antonio Dell'Apa, Mario Ganem, Corne Lottering, Libor Miklas, Hrvoje Stanilovic, Alexander Watson, IBM Redbooks, 2013-01-10 This IBM® Redbooks® publication consolidates, in one document, detailed descriptions of the hardware configurations and options offered as part of the IBM System Storage DS5000 families of products. This edition covers updates and additional functions available with the IBM System Storage DS® Storage Manager Version 10.77 (firmware level 7.77). This book presents the concepts and functions used in planning and managing the storage servers, such as multipathing and path failover. The book offers a step-by-step guide to using the Storage Manager to create arrays, logical drives, and other basic (as well as advanced) management tasks. This publication also contains practical information about diagnostics and troubleshooting, and includes practical examples of how to use scripts and the command-line interface. This publication is intended for customers, IBM Business Partners, and IBM technical professionals who want to learn more about the capabilities and advanced functions of the DS5000 series of storage servers with Storage Manager Software V10.77. It also targets those who have a DS5000 storage subsystem and need detailed advice about how to configure it. This book is designed specifically to address the hardware features and configuration of the IBM System Storage DS5000 family and can be used in conjunction with the following IBM Redbooks publications: IBM System Storage DS5000 Series Implementation and Best Practices Guide, SG24-8024 IBM System Storage DS Storage Manager Copy Services Guide, SG24-7822

IBM Tivoli Storage Productivity Center V5.2 Release Guide Karen Orlando, Paolo D'Angelo, Brian De Guia, Mary Lovelace, Curtis Neal, Christian Sonder, Markus Standau, IBM Redbooks, 2014-10-19 IBM® Tivoli® Storage Productivity Center V5.2 is a feature-rich storage management software suite. The integrated suite provides detailed monitoring, reporting, and management within a single console. In addition, implementing the IBM SmartCloud®

Virtual Storage Center (VSC) license with Tivoli Storage Productivity Center addresses new workloads that require massive scale and rapid pace, and accelerates business insight, by adding advanced analytics functions such as storage optimization, provisioning, and transformation. This IBM Redbooks® publication is intended for storage administrators and users who are installing and using the features and functions in IBM Tivoli Storage Productivity Center V5.2. The information in this Redbooks publication can be used to plan for, install, and customize the components of Tivoli Storage Productivity Center in your storage infrastructure. Note: This IBM Redbooks publication is written and based on Tivoli Storage Productivity Center V5.2.2. Sections in this book that pertain to advanced analytics, including cloud configuration, provisioning, transforming volumes, and storage optimization all require the IBM SmartCloud Virtual Storage Center license to be installed.

IBM System Storage TS7600 with ProtecTIER Version 3.3 Karen Orlando, Eva Balogh, Randi Galron, Jose Roberto Mosqueda Mejia, Rob Wilson, IBM Redbooks, 2014-02-07 This IBM® Redbooks® publication describes the IBM solution for data deduplication, the IBM System Storage® TS7650G IBM ProtecTIER® Deduplication Gateway, and the IBM TS7620 ProtecTIER Deduplication Appliance Express. This solution consists of the IBM System Storage ProtecTIER Enterprise Edition V3.3 software and the IBM System Storage TS7600 family of products. They are designed to address the diskbased data protection needs of enterprise data centers. We describe the components that make up IBM System Storage TS7600 with ProtecTIER and provide extensive planning and sizing guidance that enables you to determine your requirements and the correct configuration for your environment. We then guide you through the basic setup steps on the system and on the host. We also describe all operational tasks that are required during normal day-to-day operation or when upgrading your TS7600 products. All available models of the ProtecTIER deduplication system can now be ordered in a configuration to operate in one of the following modes for which we provide setup, configuration and usage guidelines for your business needs: The Virtual Tape Library (VTL) interface is the foundation of ProtecTIER and emulates traditional automated tape libraries. The Symantec NetBackup OpenStorage (OST) API can be integrated with Symantec NetBackup to provide backup-to-disk without having to emulate traditional tape libraries. The newly available File System Interface (FSI) supports Common Internet File System (CIFS) and Network File System (NFS) as a backup target. This publication is intended for system programmers, storage administrators, hardware and software planners, and other IT personnel that are involved in planning, implementing, and the use of the IBM deduplication solution. It also is intended for anyone seeking detailed technical information about the IBM System Storage TS7600 with ProtecTIER.

IBM System Storage DS Storage Manager Copy Services Guide Sangam Racherla, Reza Fanaei Aghdam, Hartmut Lonzer, L G (Len) O'Neill, Mario Rodriguez, Vaclav Sindelar, Alexander Watson, IBM Redbooks, 2011-02-28 The purpose of this IBM® Redbooks® publication is to provide customers with guidance and recommendations for how and when to use the IBM System Storage® Copy Services premium features. The topics discussed in this publication apply to the IBM System Storage DS® models DS3000, DS4000®, and DS5000 running the firmware v7.70, and IBM System Storage DS Storage Manager v10.70. Customers in today's IT world are finding a major need to ensure a good archive of their data and

a requirement to create these archives with minimal interruptions. The IBM Midrange System Storage helps to fulfill these requirements by offering three copy services premium features: IBM FlashCopy® VolumeCopy Enhanced Remote Mirroring (ERM) This publication specifically addresses the copy services premium features and can be used in conjunction with the following IBM DS System Storage books: IBM System Storage DS4000 and Storage Manager V10.30, SG24-7010 IBM System Storage DS3000: Introduction and Implementation Guide, SG24-7914 IBM Midrange System Storage Hardware Guide, SG24-7676 IBM Midrange System Storage Implementation and Best Practices Guide, SG24-6363

IBM i 6.1 Independent ASPs: A Guide to Quick Implementation of Independent ASPs Scott Vetter, James Baer, Julie Cantrell, Harlon Trowbridge, IBM Redbooks, 2009-12-10 This IBM® Redbooks® publication explains how to configure and manage independent disk pool (IASP) functionality of IBM i 6.1. It is designed to help IBM technical professionals, business partners, and customers understand and implement independent disk pools in the IBM i 6.1. In addition, this publication provides the background information that is necessary to plan, implement, and customize this functionality to your particular environment. It provides guidance on running user applications with either application data or most application objects residing in an independent disk pool. Considering that you can also use independent disk pools in a cluster environment, this publication shows you the basic steps to make your independent disk pool switchable between two Power SystemsTM servers or a single server with multiple LPARs. Independent auxiliary storage pools have many business and technical advantages for Power Systems using IBM i. Not only are independent auxiliary storage pools (IASPs) easy to create and maintain, most applications can use them by simple work management changes. IASPs can provide immediate benefits to your enterprise.

IBM System Storage DS8700 Architecture and Implementation Bertrand Dufrasne, Werner Bauer, Brenda Careaga, Jukka Myyrrylainen, Antonio Rainero, Paulus Usong, IBM Redbooks, 2011-02-12 This IBM® Redbooks® publication describes the concepts, architecture, and implementation of the IBM System Storage® DS8700 storage subsystem. This book has reference information that will help you plan for, install, and configure the DS8700 and also discusses the architecture and components. The DS8700 is the most advanced model in the IBM System Storage DS8000® series. It includes IBM POWER6®-based controllers, with a dual 2-way or dual 4-way processor complex implementation. Its extended connectivity, with up to 128 Fibre Channel/FICON® ports for host connections, make it suitable for multiple server environments in both open systems and IBM System z® environments. If desired, the DS8700 can be integrated in an LDAP infrastructure. The DS8700 supports thin provisioning. Depending on your specific needs, the DS8700 storage subsystem can be equipped with SATA drives, FC drives, and Solid® State Drives (SSDs). The DS8700 can now automatically optimize the use of SSD drives through its no charge Easy Tier feature. The DS8700 also supports Full Disk Encryption (FDE) feature. Its switched Fibre Channel architecture, dual processor complex implementation, high availability design, and the advanced Point-in-Time Copy and Remote Mirror and Copy functions that incorporates make the DS8700 storage subsystem suitable for mission-critical business functions.

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 SpectrumTM family, IBM FlashSystem®, disk, and tape, as well as virtualized solutions such IBM Storage Cloud. This IBM Redbooks® publication provides overviews and information about the most current IBM System Storage products. It shows how IBM delivers the right mix of products for nearly every aspect of business continuance and business efficiency. IBM storage products can help you store, safeguard, retrieve, and share your data. This book is intended as a reference for basic and comprehensive information about the IBM Storage products portfolio. It provides a starting point for establishing your own enterprise storage environment. This book describes the IBM Storage products as of March, 2016.

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 Open Systems Tape Encryption Solutions Alex Osuna, Luciano Cecchetti, Edgar Vinson, IBM Redbooks, 2010-12-08 This IBM® Redbooks® publication discusses IBM System Storage Open Systems Tape Encryption solutions. It specifically describes Tivoli Key Lifecycle Manager (TKLM) Version 2, which is a Java software program that manages keys enterprise-wide and provides encryption-enabled tape drives with keys for encryption and decryption. The book explains various methods of managing IBM tape encryption. These methods differ in where the encryption policies reside, where key management is performed, whether a key manager is required, and if required, how the tape drives communicate with it. The security and accessibility characteristics of encrypted data create considerations for clients which do not exist with storage devices that do not encrypt data. Encryption key material must be kept secure from disclosure or use by any agent that does not have authority to it; at the same time it must be accessible to any agent that has both the authority and need to use it at the time of need. This book is written for readers who need to understand and use the various methods of managing IBM tape encryption.

**SAN Boot Implementation and Best Practices Guide for IBM System Storage** Sangam Racherla, Delmar Demarchi, Scott Dybas, Bobby Stark, Mansoor Syed, IBM Redbooks, 2012-09-30 Booting servers from a storage area network (SAN) is being used increasingly in complex data center environments today, due to its significant benefits over the traditional method of booting from local disks. SAN Boot enables organizations to maximize consolidation of their IT

resources, minimize their equipment costs, and realize the considerable management benefits of centralizing the boot process. In SAN Boot, you can deploy diskless servers in an environment where the boot disk is located on (often RAID-capable) storage connected to the SAN. The server (initiator) communicates with the storage device (target) through the SAN using the 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.

IBM Reference Configuration for VMware on System x with SmartCloud Entry Srihari Angaluri, Joshua Jankowsky, George Rainovic, Marco Rengan, IBM Redbooks, 2012-07-21 IBM® SmartCloudTM Entry provides a fully integrated software stack for transforming a virtualized environment to a cloud environment. The intuitive self-service portal allows users to get up and running quickly. Built-in workload metering and additional tools enable tight controls and planning. The IBM Reference Configuration for VMware on IBM System x® with SmartCloud Entry provides an affordable, easy to deploy, private cloud architecture with configurations based on leading-edge technology from IBM, VMware, and Juniper Networks. The reference configuration is for midsized companies that need simpler and affordable IT solutions, without compromising on functionality. IBM and VMware, world leaders in enterprise-class IT solutions, are now bringing IT solutions tailored to the midmarket. This IBM RedpaperTM publication provides setup, configuration, and deployment details for the reference configuration and is intended for IT professionals who are familiar with software and hardware setup and configuration.

**DFSMShsm Fast Replication Technical Guide** Keith Winnard, Jeanne Vangsness, IBM Redbooks, 2015-05-12 DFSMShsm fast replication provides DFSMShsm management for the use of volume-level fast replication. Fast replication is made possible by using the FlashCopy® capability of storage servers. With this capability, a set of storage groups can be defined as a copy pool. The volumes in this pool are processed collectively creating, by fast replication, backup versions that are managed by DFSMShsm. Recovery can be performed at the volume or copy pool level. This capability is designed to work specifically with DB2® Version 8 or later. With DFSMShsm fast replication, the backup and recovery of DB2 copy pools can be managed by DFSMShsm. DFSMShsm fast replication provides a quick, easy-to-use backup and recovery solution. This IBM® Redbooks® publication consists of a technical overview of the DFSMShsm fast replication function in z/OS® V1R12 Data Facility Storage Management Subsystem (DFSMS). It provides you with the information that you need to understand and evaluate the function, with practical implementation hints and tips. This book is written for storage professionals, database administrators, and system programmers who have experience with the components of DFSMS. It provides sufficient information for you to implement the

DFSMShsm fast replication function in your storage environment.

IBM System Storage N series Reference Architecture for Virtualized Environments Roland Tretau, Jacky Ben-Bassat, Michel Chalogany, IBM Redbooks, 2013-01-25 This IBM® RedpaperTM publication provides deployment guidelines, workload estimates, and preferred practices for clients who want a proven IBM technology stack for VMware environments. The result is a Reference Architecture for Virtualized Environments (RAVE) that uses VMware vSphere, IBM System x® or IBM BladeCenter® server, IBM System Networking, and IBM System Storage® N series as a storage foundation. The reference architecture can be used as a foundation to create dynamic cloud solutions and make full use of underlying storage features and functions. This paper provides a blueprint that illustrates how clients can create a virtualized infrastructure and storage cloud to help address current and future data storage business requirements. It explores the solutions that IBM offers to create a storage cloud solution addressing client needs. This paper also shows how the Reference Architecture for Virtualized Environments and the extensive experience of IBM in cloud computing, services, proven technologies, and products support a Smart Storage Cloud solution that is designed for your storage optimization efforts. When used as the storage foundation, System Storage N series offers unified storage solutions. These solutions provide industry-leading technologies for storage efficiencies, instantaneous virtual machine and data store cloning for virtual servers and virtual desktops, and virtual data center backup and business continuance solutions. This paper is for anyone who wants to learn how to successfully deploy a virtualized environment. It is also written for anyone who wants to understand how IBM addresses data storage and compute challenges with IBM System Storage N series solutions with IBM servers and networking solutions. This paper is suitable for IT architects, business partners, IBM clients, storage solution integrators, and IBM sales representatives.

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#### Quick Reference For Ibm System Storage 10 Introduction

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