

## Ibm Techdocs White Paper Sas 9 On Ibm Storwize Family

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This technical white paper describes the performance tuning recommendations to successfully deploy SAS business analytics on IBM POWER8 processor-based servers. The paper describes the test environment, the testing that was performed and SAS analytics performance results.

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IBM Techdocs White Paper: SAS business analytics ...

This paper describes the feature enhancements in IBM XIV Storage System Gen3 (software release 11.1.1) and how these enhancements can help improve I/O performance for SAS business analytics workloads. The paper also demonstrates how SAS Grid is deployed on IBM Power servers with XIV Gen3 and IBM General Parallel File System (GPFS), along with I/O performance data for SAS Grid workloads and ...

IBM Techdocs White Paper: SAS workload performance ...

The paper demonstrates the use cases and benefits of deploying the SAS software on IBM Power Systems using dedicated-donating logical partitions (LPARs) on IBM PowerVM hypervisor. It shows an example of how SAS Grid can be deployed on dedicated-donating LPARs.

IBM Techdocs White Paper: SAS deployment on IBM Power ...

This white paper describes the architecture and best practices deploying SAS Grid Manager 9.3 on a large SMP IBM Power Server running IBM AIX 7.1, with IBM XIV Storage System, IBM General Parallel File System (GPFS) and IBM Platform Computing Platform Suite for SAS.

IBM Techdocs White Paper: SAS 9.3 grid deployment on IBM ...

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IBM Techdocs White Paper: SAS 9.3 grid deployment on IBM ... IBM® Power® servers along with IBM enterprise storage and IBM Spectrum Scale™ (formerly IBM GPFS™), provide a highly resilient and high performance infrastructure required for deploying SAS in a distributed grid environment.

Ibm Techdocs White Paper Sas 9 On Ibm Storwize Family

This paper is a quick-reference guide for Spectrum Scale configuration and tuning parameters for deploying SAS on IBM Power servers with IBM AIX®. IBM Techdocs White Paper: IBM Spectrum Scale (formerly GPFS) tuning guidelines for deploying SAS on IBM Power servers

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### Ibm Techdocs White Paper Sas 9 On Ibm Storwize Family

IBM Installation Manager is a tool for installing and maintaining computer software on a wide range of platforms. It provides both graphical and non-graphical interfaces. This document provides information on planning and using Installation Manager on z/OS. It was written by Jeff Mierzejewski, who works on the IBM WebSphere for z/OS Install and Configuration team out of Poughkeepsie, New York.

### IBM Techdocs White Paper: IBM Installation Manager for z/OS

Use the above search bar to locate documents within the Techdocs Library. This site provides access to the Technical Sales Support organization's technical information database. It gives you access to the most current installation, planning and technical support information available from IBM technical sales support, and is constantly updated.

### IBM: Techdocs - the Technical Sales Library

These 2-pager tuning guides provide a starting point for performance optimization from a system-wide perspective to create an enhanced environment for SAS® 9 on IBM® POWER™ processor-based servers that run IBM AIX5, IBM AIX 6 and AIX 7.

### IBM Techdocs White Paper: AIX 5L, AIX 6 and AIX 7 Tuning ...

White Papers. Abstract. ... a starting point for performance optimization from a system-wide perspective to create an enhanced environment for SAS® 9 on IBM® POWER™ processor-based servers that run IBM AIX5, IBM AIX 6 and AIX 7. Content. SAS AIX 5 Tuning Guide-2-pager\_feb2014.pdf.

### AIX 5L, AIX 6 and AIX 7 Tuning Guides for deploying SAS ...

The IBM Virtualization Engine TS7700 Series is the latest in the line of tape virtualization products that has revolutionized the way mainframe customers utilize their tape resources. One of the key reasons to use tape is for recovery of critical operations in the event of a disaster. The TS7700, in a Grid configuration, provides for automatic, remote replication of data that supports recovery ...

### White Paper - TS7700 Copy Export - IBM

In this project the AIX feature of Live Update was validated successfully on SAP systems. The scope of the validation included small to medium sized SAP systems with ABAP stack. Any issues found during testing were investigated and resolved. They are documented in this paper together with a set of best practices collected during the project.

### IBM Techdocs White Paper: SAP Applications with AIX Live Update

## File Type PDF Ibm Techdocs White Paper Sas 9 On Ibm Storwize Family

This white paper describes the architecture and best practices deploying SAS Grid Manager 9.3 on a large SMP IBM Power Server running IBM AIX 7.1, with IBM XIV Storage System, IBM General Parallel File System (GPFS) and IBM Platform Computing Platform Suite for SAS.

SAS 9.3 grid deployment on IBM Power servers with IBM XIV ...

This paper describes several tests the companies jointly performed with IBM System z, DB2 for z/OS and the SAP for Insurance application. The focus of the IBM efforts and this paper was on the interactions of the application with the IBM supplied infrastructure.

IBM Techdocs White Paper: IBM System z: SAP for Insurance ...

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WebSphere Application Server V7 ... - redbooks.ibm.com

IBM added a note to the Techdocs home page that said the site is being sunset on 11/1/2020 and all documents will be found here. To show how unhelpful that link was, I did a search for a new white paper on SIIS (WP102806) from April 2020 and received almost 14,000 hits. And the white paper name itself was changed externally but not internally.

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In Papers of the Symposium on Interpreters and Interpretive Techniques, SIGPLAN '87, pages 1--13, New York, NY, USA, 1987. ... A comparison of PowerVM and x86-based virtualization performance. Technical Report WP101574, IBM Techdocs White Papers, 2010. Google Scholar; T. Suganuma, T. Yasue, and T. Nakatani. A region-based compilation technique ...

Generalized just-in-time trace compilation using a ...

For more than a century IBM has been dedicated to every client's success and to creating innovations that matter for the world

This IBM® Redbooks® publication illustrates implementation, testing, and helpful scenarios with IBM Power® Systems 780 and 795 using the comprehensive set of the Power virtualization features. We focus on the Power Systems functional improvements, in particular, highlighting the reliability, availability, and serviceability (RAS) features of the enterprise servers. This document highlights IBM Power Systems Enterprise Server features, such as system scalability, virtualization features, and logical partitioning among others. This book provides a documented deployment model for Power 780 and Power 795

within a virtualized environment, which allows clients to plan a foundation for exploiting and using the latest features of the IBM Power Systems Enterprise Servers. The target audience for this book includes technical professionals (IT consultants, technical support staff, IT Architects, and IT Specialists) responsible for providing IBM Power Systems solutions and support.

This IBM® Redbooks® publication provides an introduction to PowerVM™ virtualization technologies on Power System servers. PowerVM is a combination of hardware, firmware, and software that provides CPU, network, and disk virtualization. These are the main virtualization technologies: POWER7, POWER6, and POWER5 hardware POWER Hypervisor Virtual I/O Server Though the PowerVM brand includes partitioning, management software, and other offerings, this publication focuses on the virtualization technologies that are part of the PowerVM Standard and Enterprise Editions. This publication is also designed to be an introduction guide for system administrators, providing instructions for these tasks: Configuration and creation of partitions and resources on the HMC Installation and configuration of the Virtual I/O Server Creation and installation of virtualized partitions Examples using AIX, IBM i, and Linux This edition has been updated with the latest updates available and an improved content organization.

This IBM® Redpaper™ publication describes the adapter-based virtualization capabilities that are being deployed in high-end IBM POWER7+™ processor-based servers. Peripheral Component Interconnect Express (PCIe) single root I/O virtualization (SR-IOV) is a virtualization technology on IBM Power Systems servers. SR-IOV allows multiple logical partitions (LPARs) to share a PCIe adapter with little or no run time involvement of a hypervisor or other virtualization intermediary. SR-IOV does not replace the existing virtualization capabilities that are offered as part of the IBM PowerVM® offerings. Rather, SR-IOV compliments them with additional capabilities. This paper describes many aspects of the SR-IOV technology, including: A comparison of SR-IOV with standard virtualization technology Overall benefits of SR-IOV Architectural overview of SR-IOV Planning requirements SR-IOV deployment models that use standard I/O virtualization Configuring the adapter for dedicated or shared modes Tips for maintaining and troubleshooting your system Scenarios for configuring your system This paper is directed to clients, IBM Business Partners, and system administrators who are involved with planning, deploying, configuring, and maintaining key virtualization technologies.

IBM® FlashSystem 9100 combines the performance of flash and Non-Volatile Memory Express (NVMe) with the reliability and innovation of IBM FlashCore® technology and the rich features of IBM Spectrum™ Virtualize — all in a powerful 2U storage system. Providing intensive data driven multi-cloud storage capacity, FlashSystem 9100 is deeply integrated with the software-defined capabilities of IBM Spectrum Storage™, which allows you to easily add the multi-cloud solutions that best support your business. In this IBM Redbooks® publication, we discuss the product's features and planning steps, architecture, installation, configuration, and hints and tips.

This IBM® Redbooks® publication addresses performance tuning topics to help leverage the virtualization strengths of the

POWER® platform to solve clients' system resource utilization challenges, and maximize system throughput and capacity. We examine the performance monitoring tools, utilities, documentation, and other resources available to help technical teams provide optimized business solutions and support for applications running on IBM POWER systems' virtualized environments. The book offers application performance examples deployed on IBM Power Systems™ utilizing performance monitoring tools to leverage the comprehensive set of POWER virtualization features: Logical Partitions (LPARs), micro-partitioning, active memory sharing, workload partitions, and more. We provide a well-defined and documented performance tuning model in a POWER system virtualized environment to help you plan a foundation for scaling, capacity, and optimization. This book targets technical professionals (technical consultants, technical support staff, IT Architects, and IT Specialists) responsible for providing solutions and support on IBM POWER systems, including performance tuning.

This IBM® Redbooks® publication provides advice and technical information about optimizing and tuning application code to run on systems that are based on the IBM POWER7® and POWER7+™ processors. This advice is drawn from application optimization efforts across many different types of code that runs under the IBM AIX® and Linux operating systems, focusing on the more pervasive performance opportunities that are identified, and how to capitalize on them. The technical information was developed by a set of domain experts at IBM. The focus of this book is to gather the right technical information, and lay out simple guidance for optimizing code performance on the IBM POWER7 and POWER7+ systems that run the AIX or Linux operating systems. This book contains a large amount of straightforward performance optimization that can be performed with minimal effort and without previous experience or in-depth knowledge. This optimization work can: Improve the performance of the application that is being optimized for the POWER7 system Carry over improvements to systems that are based on related processor chips Improve performance on other platforms The audience of this book is those personnel who are responsible for performing migration and implementation activities on IBM POWER7-based servers, which includes system administrators, system architects, network administrators, information architects, and database administrators (DBAs).

This IBM® Redbooks® publication provides guidance about how to configure, monitor, and manage your IBM DS8880 storage systems to achieve optimum performance, and it also covers the IBM DS8870 storage system. It describes the DS8880 performance features and characteristics, including hardware-related performance features, synergy items for certain operating systems, and other functions, such as IBM Easy Tier® and the DS8000® I/O Priority Manager. The book also describes specific performance considerations that apply to particular host environments, including database applications. This book also outlines the various tools that are available for monitoring and measuring I/O performance for different server environments, and it describes how to monitor the performance of the entire DS8000 storage system. This book is intended for individuals who want to maximize the performance of their DS8880 and DS8870 storage systems and investigate the planning and monitoring tools that are available. The IBM DS8880 storage system features, as described in this book, are available for the DS8880 model family with R8.0 release bundles (Licensed Machine Code (LMC) level 7.8.0).

This IBM® Redbooks® publication covers IBM TS7700 R4.2. The IBM TS7700 is part of a family of IBM Enterprise tape products. This book is intended for system architects and storage administrators who want to integrate their storage systems for optimal operation. Building on over 20 years of virtual tape experience, the TS7760 now supports the ability to store virtual tape volumes in an object store. The TS7700 has supported off loading to physical tape for over two decades. Off loading to physical tape behind a TS7700 is utilized by hundreds of organizations around the world. Using the same hierarchical storage techniques, the TS7700 can also off load to object storage. Given object storage is cloud based and accessible from different regions, the TS7760 Cloud Storage Tier support essentially allows the cloud to be an extension of the grid. As of the release of this document, the TS7760C supports the ability to off load to IBM Cloud Object Storage as well as Amazon S3. To learn about the TS7760 cloud storage tier function, planning, implementation, best practices, and support see IBM Redpaper IBM TS7760 R4.2 Cloud Storage Tier Guide, redp-5514 at: <http://www.redbooks.ibm.com/abstracts/redp5514.html> The IBM TS7700 offers a modular, scalable, and high-performance architecture for mainframe tape virtualization for the IBM Z® environment. It is a fully integrated, tiered storage hierarchy of disk and tape. This storage hierarchy is managed by robust storage management microcode with extensive self-management capability. It includes the following advanced functions:

- Improved reliability and resiliency
- Reduction in the time that is needed for the backup and restore process
- Reduction of services downtime that is caused by physical tape drive and library outages
- Reduction in cost, time, and complexity by moving primary workloads to virtual tape
- More efficient procedures for managing daily backup and restore processing
- Infrastructure simplification through reduction of the number of physical tape libraries, drives, and media

TS7700 delivers the following new capabilities:

- TS7760C supports the ability to off load to IBM Cloud Object Storage as well as Amazon S3
- 8-way Grid Cloud consisting of any generation of TS7700
- Synchronous and asynchronous replication
- Tight integration with IBM Z and DFSMS policy management
- Optional Transparent Cloud Tiering
- Optional integration with physical tape
- Cumulative 16Gb FICON throughput up to 4.8GB/s
- 8 IBM Z hosts view up to 496 8 equivalent devices
- Grid access to all data independent of where it exists

The TS7760T writes data by policy to physical tape through attachment to high-capacity, high-performance IBM TS1150 and IBM TS1140 tape drives installed in an IBM TS4500 or TS3500 tape library. The TS7760 models are based on high-performance and redundant IBM POWER8® technology. They provide improved performance for most IBM Z tape workloads when compared to the previous generations of IBM TS7700.

This IBM® Redpaper™ publication is a comprehensive guide covering the IBM Power System E850 (8408-E8E) server that supports IBM AIX®, and Linux operating systems. The objective of this paper is to introduce the major innovative Power E850 offerings and their relevant functions:

- The new IBM POWER8™ processor, available at frequencies of 3.02 GHz, 3.35 GHz, and 3.72 GHz
- Significantly strengthened cores and larger caches
- Two integrated memory controllers with improved latency and bandwidth
- Integrated I/O subsystem and hot-pluggable PCIe Gen3 I/O slots
- I/O drawer expansion options offer greater flexibility
- Improved reliability, serviceability, and availability (RAS) functions
- IBM EnergyScale™ technology that provides features such as power trending, power-saving, capping of power, and thermal measurement

This publication is for professionals who want to acquire a better understanding of IBM Power Systems™ products. The intended audience includes

the following roles: Clients Sales and marketing professionals Technical support professionals IBM Business Partners Independent software vendors This paper expands the current set of IBM Power Systems documentation by providing a desktop reference that offers a detailed technical description of the Power E850 system. This paper does not replace the latest marketing materials and configuration tools. It is intended as an additional source of information that, together with existing sources, can be used to enhance your knowledge of IBM server solutions.

This IBM® Redbooks® publication focuses on gathering the correct technical information, and laying out simple guidance for optimizing code performance on IBM POWER8® processor-based systems that run the IBM AIX®, IBM i, or Linux operating systems. There is straightforward performance optimization that can be performed with a minimum of effort and without extensive previous experience or in-depth knowledge. The POWER8 processor contains many new and important performance features, such as support for eight hardware threads in each core and support for transactional memory. The POWER8 processor is a strict superset of the IBM POWER7+™ processor, and so all of the performance features of the POWER7+ processor, such as multiple page sizes, also appear in the POWER8 processor. Much of the technical information and guidance for optimizing performance on POWER8 processors that is presented in this guide also applies to POWER7+ and earlier processors, except where the guide explicitly indicates that a feature is new in the POWER8 processor. This guide strives to focus on optimizations that tend to be positive across a broad set of IBM POWER® processor chips and systems. Specific guidance is given for the POWER8 processor; however, the general guidance is applicable to the IBM POWER7+, IBM POWER7®, IBM POWER6®, IBM POWER5, and even to earlier processors. This guide is directed at personnel who are responsible for performing migration and implementation activities on POWER8 processor-based systems. This includes system administrators, system architects, network administrators, information architects, and database administrators (DBAs).

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