

# IBM System x® Configuration and Options Guide

## Overview

(April 14, 2009)

Version 83.0

The IBM System x Configuration and Options Guide (COG) is now available in Hypertext Markup Language (HTML). The Configuration and Options Guide contains general configuration information about IBM products and supported options, such as, IBM System x®; BladeCenter; IntelliStation; Datacenter and other servers.

## References

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## New information

Versions of this document released on or after August 8th, 2008, will contain references to feature codes.

### Attention:

A four-digit feature code is used to specify a component that is configurable in the IBM configurators, the eBusiness Configurator (eConfig) and the IBM Web-based Hardware Configurator, used in US and Canada. Options that do not have feature codes cannot be integrated by IBM into a system using these IBM configurators. To purchase options separately, refer to the option part number provided in this document.

For more details about feature codes, contact your IBM representative.

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# Ibm Configuration And Options Guide

**Xiaolong Qi**



## **Ibm Configuration And Options Guide:**

### **IBM FlashSystem 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,2022-02-02 This IBM Redbooks publication captures several of the preferred practices and describes the performance gains that can be achieved by implementing the IBM FlashSystem products that are 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 SAN Volume Controller and IBM Storwize administrators and technicians Understanding this book requires advanced knowledge of these environments

### **IBM FlashSystem Best Practices and Performance Guidelines**

Anil K Nayak,Antonio Rainero,Barry Whyte,Chris Hoffmann,Danilo Morelli Miyasiro,David Green,Duane Bolland,Jackson Shea,Jon Herd,Jordan Fincher,Marcelo Avalos,Sergey Kubin,Sidney Varoni Junior,Thales Noivo Ferreira,Vasfi Gucer,IBM Redbooks,2021-10-13 This IBM Redbooks publication captures several of the preferred practices and describes the performance gains that can be achieved by implementing the IBM FlashSystem products 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 SAN Volume Controller and IBM Storwize administrators and technicians Understanding this book requires advanced knowledge of these environments

### **Installation and Configuration Guide for MicroStrategy 9.5**

MicroStrategy Product Manuals,MicroStrategy,2015-02-01 The Installation and Configuration Guide includes information to install and configure MicroStrategy products on Windows UNIX Linux and HP platforms as well as basic maintenance guidelines

*Installation and Configuration Guide for MicroStrategy 9. 3. 1* MicroStrategy Product Manuals,MicroStrategy,2013-04-30

### **Installation and Configuration Guide for MicroStrategy 10**

MicroStrategy Product Manuals,2015-06-04 *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 Storage™ 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 **Inside System Storage: Volume I (Paperback)** Tony

Pearson,2007-10-13 This blog based book or blook comprises the first twelve months of posts from Inside System Storage a blog discussing computer storage concepts in general and IBM System Storage TM products in particular Tony Pearson shares his thoughts and experiences about IT storage and storage networking concepts IBM strategy hardware software and services Disk systems Tape systems and storage networking Storage and infrastructure management software Second Life Facebook and other Web 2 0 platforms IBM s many alliances partners and competitors How IT storage impacts society and industry [Installation and Configuration Guide for MicroStrategy 9.2.1m](#) MicroStrategy Product

Manuals, MicroStrategy, 2011-12-20 *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 **High**

**Performance Embedded Computing Handbook** David R. Martinez, Robert A. Bond, M. Michael Vai, 2018-10-03 Over the past several decades applications permeated by advances in digital signal processing have undergone unprecedented growth in capabilities The editors and authors of High Performance Embedded Computing Handbook A Systems Perspective have been significant contributors to this field and the principles and techniques presented in the handbook are reinforced by examples drawn from their work The chapters cover system components found in today's HPEC systems by addressing design trade offs implementation options and techniques of the trade then solidifying the concepts with specific HPEC system examples This approach provides a more valuable learning tool Because readers learn about these subject areas through factual implementation cases drawn from the contributing authors own experiences Discussions include Key subsystems and components Computational characteristics of high performance embedded algorithms and applications Front end real time processor technologies such as analog to digital conversion application specific integrated circuits field programmable gate arrays and intellectual property based design Programmable HPEC systems technology including interconnection fabrics parallel and distributed processing performance metrics and software architecture and automatic code parallelization and optimization Examples of complex HPEC systems representative of actual prototype developments Application examples including radar communications electro optical and sonar applications The handbook is organized around a canonical framework that helps readers navigate through the chapters and it concludes with a discussion of future trends in HPEC systems The material is covered at a level suitable for practicing engineers and HPEC computational practitioners and is easily adaptable to their own implementation requirements

*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 HACMP™ and IBM

General Parallel File System GPFS™ 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 FlashSystem and VMware Implementation and Best Practices Guide** Vasfi Gucer, Duane Bolland, Nezih Boyacioglu, Jordan Fincher, David Green, Warren Hawkins, Ibrahim Alade Rufai, Leandro Torolho, IBM Redbooks, 2022-10-26 This IBM Redbooks publication details the configuration and best practices for using the IBM FlashSystem family of storage products within a VMware environment The first version of this book was published in 2021 and specifically addressed IBM Spectrum Virtualize Version 8.4 with VMware vSphere 7.0 This second version of this book includes all the enhancements that are available with IBM Spectrum Virtualize 8.5 Topics illustrate planning configuring operations and preferred practices that include integration of IBM FlashSystem storage systems with the VMware vCloud suite of applications VMware vSphere Web Client vWC vSphere Storage APIs Storage Awareness VASA vSphere Storage APIs Array Integration VAAI VMware Site Recovery Manager SRM VMware vSphere Metro Storage Cluster vMSC Embedded VASA Provider for VMware vSphere Virtual Volumes vVols This book is intended for presales consulting engineers sales engineers and IBM clients who want to deploy IBM FlashSystem storage systems in virtualized data centers that are based on VMware vSphere

*Catalog of Copyright Entries. Third Series* Library of Congress. Copyright Office, 1979

**EPRI Guide**, 1983

**PC Mag**, 1990-07 PCMag.com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology

Handbook of Fiber Optic Data Communication Casimer DeCusatis, 2011-10-13 Handbook of Fiber Optic Data Communication Third Edition provides a comprehensive easy to use guide to the field of optical fiber data communications Written by experts in the industry from major companies such as IBM Cisco and Nortel the Handbook is a key reference for optical fiber technology networking protocols applications manufacturing and future directions It includes chapters on all the major industry standards written by the same experts who developed them This edition contains new material on transceiver form factors QSFP SFP XFP X2 manufacturing standards including JEDEC and RoHS as well as the latest revisions to industry standards including 8G and 10G Fiber Channel FICON SONET GFP LCAS and 10 Gigabit Ethernet The book also contains new chapters on emerging technologies and leading edge applications such as silicon photonics nanophotonics parallel optical interconnects specialty fiber cable types and optical backplanes Features include New Case Studies on Voice Data Convergence Redesigning Mainframe I/O National LambdaRail and optical peer to peer networks Includes an expanded listing of references on the World Wide Web plus hard to find references for international homologation and type approval requirements Quick reference tables of all the key optical network parameters and a glossary that defines hundreds of technical terms and acronyms Written for engineers by engineers this Handbook will be an indispensable hands on reference for optical networks and equipment developers designers and installers as well as for students studying optical fiber communications wanting an

understanding of and insight into professional practice New Case Studies on Voice Data Convergence Redesigning Mainframe I O National LambdaRail and optical peer to peer networks Includes an expanded listing of references on the World Wide Web plus hard to find references for international homologation and type approval requirements Quick reference tables of all the key optical network parameters and a glossary that defines hundreds of technical terms and acronyms

**Network World** ,1991-12-16 For more than 20 years Network World has been the premier provider of information intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations Readers are responsible for designing implementing and managing the voice data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce **InfoWorld** ,1987-03-23 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects *InfoWorld* ,1988-05-30 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects *PC Mag* ,1988-01-12 PCMag com is a leading authority on technology delivering Labs based independent reviews of the latest products and services Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology

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