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[IBM PowerVM Best Practices](#) [IBM FlashSystem Best Practices and Performance Guidelines for IBM Spectrum Virtualize Version 8.4.2](#) [IBM FlashSystem Best Practices and Performance Guidelines](#) [Microservices Best Practices for Java](#) [IBM SAN Volume Controller Best Practices and Performance Guidelines](#) [Best Practices for Managing IBM i Jobs and Output \(and a few other special tips\)](#) [System z Parallel Sysplex Best Practices](#) [IBM FlashSystem 5000 Family Products](#) [IBM Business Process Manager V8.5 Performance Tuning and Best Practices](#) [IBM System Storage SAN Volume Controller, IBM Storwize V7000, and IBM FlashSystem 7200 Best Practices and Performance Guidelines](#) [iSCSI Implementation and Best Practices on IBM Storwize Storage Systems](#) [IBM DS8900F Performance Best Practices and Monitoring](#) [DITA Best Practices](#) [IBM PowerVM Virtualization Introduction and Configuration](#) [IBM Spectrum LSF Suite: Installation Best Practices Guide](#) [IBM ProtecTIER Implementation and Best Practices Guide](#) [Best practices and Getting Started Guide for Oracle on IBM LinuxONE](#) [The IBM Data Governance Unified Process](#) [IBM FileNet Content Manager Implementation Best Practices and Recommendations](#) [Best Practices for DS8000 and z/OS HyperSwap with Copy Services Manager](#) [IBM FlashSystem 5200 Product Guide](#) [IBM SAN Solution Design Best Practices for VMware vSphere ESXi](#) [Patterns of Information Management](#) [Temenos on IBM LinuxONE Best Practices Guide](#) [Process Discovery Best Practices Using IBM Blueworks Live](#) [IBM Lotus Connections 2.5 Dynamic SOA and BPM](#) [The IBM Style Guide](#) [Work Item Management with IBM Rational ClearQuest and Jazz](#) [Digital Transformation and Modernization with IBM API Connect](#) [IBM Intelligent Operations Center for Smarter Cities Administration Guide](#) [Can Two Rights Make a Wrong?](#) [IBM FlashSystem 7200 Product Guide](#) [Performing Information Governance](#) [Understanding IBM SOA Foundation Suite](#) [Using the IBM Security Framework and IBM Security Blueprint to Realize Business-Driven Security](#) [ITIL Capacity Management \(paperback\)](#) [IBM Cloud Pak for Data](#) [Introduction to Storage Area Networks](#) [Conversational UX Design](#)

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[System z Parallel Sysplex Best Practices](#) Apr 29 2022 This IBM® Redbooks® publication pulls together diverse information regarding the best way to design, implement, and manage a Parallel Sysplex® to deliver the levels of performance and availability required by your organization. This book should be of interest to system programmers, availability managers, and database administrators who are interested in verifying that your systems conform to IBM best practices for a Parallel Sysplex environment. In addition to z/OS® and the sysplex hardware configuration, this book also covers the major IBM subsystems: CICS® DB2® IMSTM MQ WebSphere® Application Server To get the best value from this book, readers should have hands-on experience with Parallel Sysplex and have working knowledge of how your systems are set up and why they were set up in that manner.

[Introduction to Storage Area Networks](#) Jul 29 2019 The superabundance of data that is created by today's businesses is making storage a strategic investment priority for companies of all sizes. As storage takes precedence, the following major initiatives emerge: Flatten and converge your network: IBM® takes an open, standards-based approach to implement the latest advances in the flat, converged data center network designs of today. IBM Storage solutions enable clients to deploy a high-speed, low-latency Unified Fabric Architecture. Optimize and automate virtualization: Advanced virtualization awareness reduces the cost and complexity of deploying physical and virtual data center infrastructure. Simplify management: IBM data center networks are easy to deploy, maintain, scale, and virtualize, delivering the foundation of consolidated operations for dynamic infrastructure management. Storage is no longer an afterthought. Too much is at stake. Companies are searching for more ways to efficiently manage expanding volumes of data, and to make that data accessible throughout the enterprise. This demand is propelling the move of storage into the network. Also, the increasing complexity of managing large numbers of storage devices and vast amounts of data is driving greater business value into software and services. With current estimates of the amount of data to be managed and made available increasing at 60% each year, this outlook is where a storage area network (SAN) enters the arena. SANs are the leading storage infrastructure for the global economy of today. SANs offer simplified storage management, scalability, flexibility, and availability; and improved data access, movement, and backup. Welcome to the cognitive era. The smarter data center with the improved economics of IT can be achieved by connecting servers and storage with a high-speed and intelligent network fabric. A smarter data center that hosts IBM Storage solutions can provide an environment that is smarter, faster, greener, open, and easy to manage. This IBM® Redbooks® publication provides an introduction to SAN and Ethernet networking, and how these networks help to achieve a smarter data center. This book is intended for people who are not very familiar with IT, or who are just starting out in the IT world.

[Work Item Management with IBM Rational ClearQuest and Jazz](#) Jun 07 2020 The Complete Guide to Managing Work Items and Workflow with IBM® Rational® ClearQuest® and IBM Rational Team Concert™ Work items are the lifeblood of software and hardware development. They tell development teams exactly who is doing what, which issues are resolved, which remain unresolved, and which products are impacted. In large, team-based projects, however, managing work items can be difficult. Now, two IBM Rational experts show how to simplify and improve every aspect of work item management with IBM Rational ClearQuest and the powerful and collaborative Jazz™-based products: IBM Rational Team Concert (RTC) and IBM Rational Quality Manager. Drawing on extensive experience with IBM customers, the authors tightly link theory with proven best practices, offering implementation guidance, detailed examples, and complete solutions. They present innovative solutions, introduce advanced customization techniques, and walk step-by-step through every phase of workflow development, from requirements through maintenance. They conclude with a full chapter of sample applications and solutions, ranging from Collaborative Application Lifecycle Management to SLAs. Coverage includes Understanding work items and their elements Using work items for changes, tasks, activities, test plans, test cases, risks, builds, and promotion Implementing best practices for work item application planning, analysis, design, development, testing, deployment, and maintenance Describing workflows, including advanced dynamic workflows Incorporating roles in work items and using them to meet business needs Using ClearQuest packages and custom integrations, and making the most of Jazz platform integration technology Getting the most of out the CQ-ALM schema Implementing effective quality and performance metrics, SLAs, and governance Improving test management with IBM Rational Quality Manager work items Creating effective workflows for Scrum and other Agile projects

[Best Practices for DS8000 and z/OS HyperSwap with Copy Services Manager](#) Mar 17 2021 Many IBM® z/OS® customers require their applications to be available 24x7. Whether the business requirements are high availability (HA), disaster recovery (DR), or business continuity, IBM HyperSwap® technology can provide an adequate solution. HyperSwap is the industry standard and is provided as several different implementation options to meet the various business needs of the IBM System z® and z/OS customer base. IBM Copy Services Manager (CSM) enables you to manage z/OS HyperSwap and helps you manage planned and unplanned actions in an z/OS environment from an open systems environment. This IBM Redbooks® publication provides best practices for the

planning, implementing, integrating, and managing z/OS HyperSwap with CSM.

IBM FileNet Content Manager Implementation Best Practices and Recommendations Apr 17 2021 IBM® FileNet® Content Manager Version 5.2 provides full content lifecycle and extensive document management capabilities for digital content. IBM FileNet Content Manager is tightly integrated with the family of IBM FileNet products based on the IBM FileNet P8 technical platform. IBM FileNet Content Manager serves as the core content management, security management, and storage management engine for the products. This IBM Redbooks® publication covers the implementation best practices and recommendations for solutions that use IBM FileNet Content Manager. It introduces the functions and features of IBM FileNet Content Manager, common use cases of the product, and a design methodology that provides implementation guidance from requirements analysis through production use of the solution. We address administrative topics of an IBM FileNet Content Manager solution, including deployment, system administration and maintenance, and troubleshooting. Implementation topics include system architecture design with various options for scaling an IBM FileNet Content Manager system, capacity planning, and design of repository design logical structure, security practices, and application design. An important implementation topic is business continuity. We define business continuity, high availability, and disaster recovery concepts and describe options for those when implementing IBM FileNet Content Manager solutions. Many solutions are essentially a combination of information input (ingestion), storage, information processing, and presentation and delivery. We discuss some solution building blocks that designers can combine to build an IBM FileNet Content Manager solution. This book is intended to be used in conjunction with product manuals and online help to provide guidance to architects and designers about implementing IBM FileNet Content Manager solutions. Many of the features and practices described in the book also apply to previous versions of IBM FileNet Content Manager.

Using the IBM Security Framework and IBM Security Blueprint to Realize Business-Driven Security Oct 31 2019 Security is a major consideration in the way that business and information technology systems are designed, built, operated, and managed. The need to be able to integrate security into those systems and the discussions with business functions and operations exists more than ever. This IBM® Redbooks® publication explores concerns that characterize security requirements of, and threats to, business and information technology (IT) systems. This book identifies many business drivers that illustrate these concerns, including managing risk and cost, and compliance to business policies and external regulations. This book shows how these drivers can be translated into capabilities and security needs that can be represented in frameworks, such as the IBM Security Blueprint, to better enable enterprise security. To help organizations with their security challenges, IBM created a bridge to address the communication gap between the business and technical perspectives of security to enable simplification of thought and process. The IBM Security Framework can help you translate the business view, and the IBM Security Blueprint describes the technology landscape view. Together, they can help bring together the experiences that we gained from working with many clients to build a comprehensive view of security capabilities and needs. This book is intended to be a valuable resource for business leaders, security officers, and consultants who want to understand and implement enterprise security by considering a set of core security capabilities and services.

IBM Lotus Connections 2.5 Sep 10 2020 The Practical, Complete Guide to Leveraging the Power of Social Networks with Lotus Connections 2.5 The first book to cover the newest version of the breakthrough product from IBM: Lotus Connections 2.5. This book includes practical techniques for building dynamic networks of coworkers, partners, and customers that promote innovation, business agility, and authoritative guidance for business and technical planning, deployment, integration, and much more. Social networking is the newest frontier in business collaboration, and IBM Lotus Connections 2.5 gives businesses the tools they need to make the most of it—easily, securely, and cost-effectively. In this book, a team of IBM Lotus Connections 2.5 experts thoroughly introduces the newest product and covers every facet of planning, deploying, and using it successfully. The authors cover business and technical issues and present IBM's proven, best-practices methodology for successful implementation. The authors begin by helping managers and technical professionals identify opportunities to use social networking for competitive advantage—and by explaining how Lotus Connections 2.5 places full-fledged social networking tools at their fingertips. IBM Lotus Connections 2.5 carefully describes each component of the product—including profiles, activities, blogs, communities, easy social bookmarking, personal home pages, and more. The book contains practical coverage of administering Lotus Connections 2.5 and detailed guidance of integrating and extending Lotus Connections 2.5.

Conversational UX Design Jun 27 2019 With recent advances in natural language understanding techniques and far-field microphone arrays, natural language interfaces, such as voice assistants and chatbots, are emerging as a popular new way to interact with computers. They have made their way out of the industry research labs and into the pockets, desktops, cars and living rooms of the general public. But although such interfaces recognize bits of natural language, and even voice input, they generally lack conversational competence, or the ability to engage in natural conversation. Today's platforms provide sophisticated tools for analyzing language and retrieving knowledge, but they fail to provide adequate support for modeling interaction. The user experience (UX) designer or software developer must figure out how a human conversation is organized, usually relying on commonsense rather than on formal knowledge. Fortunately, practitioners can rely on conversation science. This book adapts formal knowledge from the field of Conversation Analysis (CA) to the design of natural language interfaces. It outlines the Natural Conversation Framework (NCF), developed at IBM Research, a systematic framework for designing interfaces that work like natural conversation. The NCF consists of four main components: 1) an interaction model of “expandable sequences,” 2) a corresponding content format, 3) a pattern language with 100 generic UX patterns and 4) a navigation method of six basic user actions. The authors introduce UX designers to a new way of thinking about user experience design in the context of conversational interfaces, including a new vocabulary, new principles and new interaction patterns. User experience designers and graduate students in the HCI field as well as developers and conversation analysis students should find this book of interest.

Digital Transformation and Modernization with IBM API Connect May 07 2020 Successfully execute a strategic roadmap of digital transformation and modernize your enterprise with a proven API-led agile implementation approach by unlocking the full range of features in IBM API Connect Version 10 Key FeaturesExplore techniques to design and deliver valuable customer-centric APIs using API ConnectManage your APIs with improved security and optimal performance across many channelsUncover hidden capabilities that help improve business agility and management within your API ecosystemBook Description IBM API Connect enables organizations to drive digital innovation using its scalable and robust API management capabilities across multi-cloud and hybrid environments. With API Connect's security, flexibility, and high performance, you'll be able to meet the needs of your enterprise and clients by extending your API footprint. This book provides a complete roadmap to create, manage, govern, and publish your APIs. You'll start by learning about API Connect components, such as API managers, developer portals, gateways, and analytics subsystems, as well as the management capabilities provided by CLI commands. You'll then develop APIs using OpenAPI and discover how you can enhance them with logic policies. The book shows you how to modernize SOAP and FHIR REST services as secure APIs with authentication, OAuth2/OpenID, and JWT, and demonstrates how API Connect provides safeguards for GraphQL APIs as well as published APIs that are easy to discover and well documented. As you advance, the book guides you in generating unit tests that supplement DevOps pipelines using Git and Jenkins for improved agility, and concludes with best practices for implementing API governance and customizing API Connect components. By the end of this book, you'll have learned how to transform your business by speeding up the time-to-market of your products and increase the ROI for your enterprise. What you will learnUse API Connect to create, manage, and publish customer-centric, API-led solutionsRun CLI commands to manage API configuration and deploymentsCreate REST, SOAP, and GraphQL APIs securely using OpenAPISupport OAuth and JWT security methods using policiesCreate custom policies to supplement securityApply built-in policies to transform payloadsUse CLIs and unit testing hooks within DevOps pipelinesFind out how to customize Analytics dashboards and Portal User InterfaceWho this book is for This book is for developers and architects who want to achieve digital transformation using IBM API Connect and successfully execute the strategic roadmap of enterprise modernization while effectively managing their API ecosystem. A solid understanding of what RESTful services and APIs can do and where to implement API security is

necessary to get started. Experience in application development and basic knowledge of microservices, container orchestration, and cloud environments will help you to get the most out of this book.

Best practices and Getting Started Guide for Oracle on IBM LinuxONE Jun 19 2021 IBM® is a Platinum level Partner in the Oracle Partner Network, which delivers the proven combination of industry insight, extensive real-world Oracle applications experience, deep technical skills, and high-performance servers and storage to create a complete business solution with a defined return on investment. From application selection, purchase, and implementation to upgrade and maintenance, we help organizations reduce the total cost of ownership and the complexity of managing their current and future applications environment while building a solid base for business growth. Oracle Database running on Linux is available for deployment on IBM LinuxONE by using Redhat Enterprise Linux (RHEL) or SUSE Linux Enterprise Server (SLES). This enterprise-grade solution is designed to add value to Oracle Database solutions. This IBM Redpaper® publication focuses on accepted good practices for installing and getting started by using Oracle Database, which provides you with an environment that is optimized for performance, scalability, flexibility, and ease-of-management.

IBM FlashSystem Best Practices and Performance Guidelines for IBM Spectrum Virtualize Version 8.4.2 Oct 04 2022 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 SAN Volume Controller Best Practices and Performance Guidelines Jul 01 2022 This IBM® Redbooks® publication describes 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 V8.4. 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. Then, it provides performance guidelines for IBM SAN Volume Controller, back-end storage, and applications. 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 IBM SAN Volume Controller. This book is intended for experienced storage, SAN, and IBM SAN Volume Controller administrators and technicians. Understanding this book requires advanced knowledge of the IBM SAN Volume Controller, IBM FlashSystem, and SAN environments.

iSCSI Implementation and Best Practices on IBM Storwize Storage Systems Dec 26 2021 This IBM® Redbooks® publication helps administrators and technical professionals understand Internet Small Computer System Interface (iSCSI) and how to implement it for use with IBM Storwize® storage systems. iSCSI can be used alone or with other technologies. This publication provides an overview of the iSCSI protocol and helps you understand how it is similar to and different from Fibre Channel (FC) technology. It helps you plan and design your network topology. It explains how to configure your IBM Storwize storage systems and hosts (including IBM AIX®, Linux, VMware, and Microsoft Windows hosts) to interact with it. It also provides an overview of using IBM Storwize storage systems with OpenStack. This book describes configuring iSCSI for IBM Storwize and SAN Volume Controller storage systems at Version 7.6 or later. In addition to configuration, this publication provides information about performance and troubleshooting.

Dynamic SOA and BPM Aug 10 2020 Achieve Breakthrough Business Flexibility and Agility by Integrating SOA and BPM Thousands of enterprises have adopted Service Oriented Architecture (SOA) based on its promise to help them respond more rapidly to changing business requirements by composing new solutions from existing business services. To deliver on this promise, however, companies need to integrate solid but flexible Business Process Management (BPM) plans into their SOA initiatives. Dynamic SOA and BPM offers a pragmatic, efficient approach for doing so. Top IBM® SOA architect Marc Fiammante takes you step-by-step through combining BPM and SOA, and using them together to build a more flexible, dynamic enterprise. Throughout the book, he emphasizes hands-on solutions based on his experience supporting dozens of enterprise SOA implementations. Practical from start to finish, Dynamic SOA and BPM squarely addresses two of the most critical challenges today's IT executives, architects, and analysts face: implementing BPM as effectively as possible and deriving more value from their SOA investments. Coverage Includes Moving from simplified integration to dynamic processes: realizing the full business value of services Streamlining enterprise architecture to accelerate business and IT alignment Implementing dynamic business processes based on small, flexible modules that can be quickly modeled, tested, delivered, and improved Planning for services and information variability to limit the impact of change on processes and other consumers of services Providing an integration layer between consumers and providers that addresses issues classical Enterprise Service Bus (ESB) approaches cannot solve alone Tooling and practices for the development, management, and monitoring of the complete SOA/BPM life cycle

IBM DS8900F Performance Best Practices and Monitoring Nov 24 2021 This IBM® Redbooks® publication is intended for individuals who want to maximize the performance of their DS8900 storage systems and investigate the planning and monitoring tools that are available.

IBM Business Process Manager V8.5 Performance Tuning and Best Practices Feb 25 2022 This IBM® Redbooks® publication provides performance tuning tips and best practices for IBM Business Process Manager (IBM BPM) V8.5.5 (all editions) and IBM Business Monitor V8.5.5. These products represent an integrated development and runtime environment based on a key set of service-oriented architecture (SOA) and business process management (BPM) technologies. Such technologies include Service Component Architecture (SCA), Service Data Object (SDO), Business Process Execution Language (BPEL) for web services, and Business Processing Modeling Notation (BPMN). Both IBM Business Process Manager and Business Monitor build on the core capabilities of the IBM WebSphere® Application Server infrastructure. As a result, Business Process Manager solutions benefit from tuning, configuration, and best practices information for WebSphere Application Server and the corresponding platform Java virtual machines (JVMs). This book targets a wide variety of groups, both within IBM (development, services, technical sales, and others) and customers. For customers who are either considering or are in the early stages of implementing a solution incorporating Business Process Manager and Business Monitor, this document proves a useful reference. The book is useful both in terms of best practices during application development and deployment and as a reference for setup, tuning, and configuration information. This book talks about many issues that can influence performance of each product and can serve as a guide for making rational first choices in terms of configuration and performance settings. Similarly, customers who already implemented a solution with these products can use the information presented here to gain insight into how their overall integrated solution performance can be improved.

IBM FlashSystem Best Practices and Performance Guidelines Sep 03 2022 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 (SVC), and IBM Storwize® administrators and technicians. Understanding this book requires advanced knowledge of these environments.

Can Two Rights Make a Wrong? Mar 05 2020 Nowadays, nearly every business leader recognizes the crucial importance of culture. But, in many organizations, attempts to handle culture issues remain "squishy," unfocused, and unlikely to bring any value or results. Now, IBM's leading experts reveal the

way to make culture tangible to everyone involved—and how to effectively deal with a variety of culture challenges. Can Two Rights Make a Wrong? leverages the lessons learned during IBM's \$3.5 billion acquisition of PricewaterhouseCoopers Consulting: insight that IBM has crystallized into a powerful methodology for transforming business culture. The authors introduce "Business Practices," an actionable surrogate for "culture" that business people can identify with, gauge, and act upon. Then, one step at a time, you'll learn how to apply IBM's practical culture transformation techniques in your unique environment. You'll discover common patterns that lead to culture clashes so you can resolve or, better yet, prevent them. You'll learn to clarify your expectations so people really "get" it—and do it. You'll gain the way to measure culture change progress in terms everyone can understand and buy into. Whether you're involved with M&As, joint ventures, major transformation, internal restructuring, or any other initiative where culture is important, this book can help you take culture from a worrisome risk to a competitive advantage. Business Practices: the unseen hand that propels action Uncover what makes your organization unique Right vs. Right: What to do when good options conflict Understand and manage the source of culture clash Outcome Narratives: Get to the right place, the right way Clarify your desired future, clear the obstacles, measure progress, and deliver results

IBM PowerVM Best Practices Nov 05 2022 This IBM® Redbooks® publication provides best practices for planning, installing, maintaining, and monitoring the IBM PowerVM® Enterprise Edition virtualization features on IBM POWER7® processor technology-based servers. PowerVM is a combination of hardware, PowerVM Hypervisor, and software, which includes other virtualization features, such as the Virtual I/O Server. This publication is intended for experienced IT specialists and IT architects who want to learn about PowerVM best practices, and focuses on the following topics: Planning and general best practices Installation, migration, and configuration Administration and maintenance Storage and networking Performance monitoring Security PowerVM advanced features This publication is written by a group of seven PowerVM experts from different countries around the world. These experts came together to bring their broad IT skills, depth of knowledge, and experiences from thousands of installations and configurations in different IBM client sites.

IBM System Storage SAN Volume Controller, IBM Storwize V7000, and IBM FlashSystem 7200 Best Practices and Performance Guidelines Jan 27 2022 This IBM® Redbooks® publication captures several of the preferred practices and describes the performance gains that can be achieved by implementing the IBM System Storage® SAN Volume Controller and IBM Storwize® V7000 powered by IBM Spectrum Virtualize™ V8.2.1. 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. Then it 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. It also provides preferred practices for monitoring, maintaining, and troubleshooting SAN Volume Controller and Storwize V7000. This book is intended for experienced storage, SAN, and SAN Volume Controller administrators and technicians. Understanding his book requires advanced knowledge of the SAN Volume Controller and Storwize V7000 and SAN environments. Important: On 11th February 2020 IBM announced the arrival of SAN Volume Controller SA2 and SV2, and IBM FlashSystem® 7200 to the family. This book was written specifically for prior versions of SVC and Storwize V7000; however, most of the general principles will apply. If you are in any doubt as to their applicability then you should work with your local IBM representative. This book will be updated to comprehensively include SAN Volume Controller SA2 and SV2 and FlashSystem 7200 in due course.

Microservices Best Practices for Java Aug 02 2022 Microservices is an architectural style in which large, complex software applications are composed of one or more smaller services. Each of these microservices focuses on completing one task that represents a small business capability. These microservices can be developed in any programming language. This IBM® Redbooks® publication covers Microservices best practices for Java. It focuses on creating cloud native applications using the latest version of IBM WebSphere® Application Server Liberty, IBM Bluemix® and other Open Source Frameworks in the Microservices ecosystem to highlight Microservices best practices for Java.

IBM Cloud Pak for Data Aug 29 2019 Build end-to-end AI solutions with IBM Cloud Pak for Data to operationalize AI on a secure platform based on cloud-native reliability, cost-effective multitenancy, and efficient resource management Key Features Explore data virtualization by accessing data in real time without moving it Unify the data and AI experience with the integrated end-to-end platform Explore the AI life cycle and learn to build, experiment, and operationalize trusted AI at scale Book Description Cloud Pak for Data is IBM's modern data and AI platform that includes strategic offerings from its data and AI portfolio delivered in a cloud-native fashion with the flexibility of deployment on any cloud. The platform offers a unique approach to addressing modern challenges with an integrated mix of proprietary, open-source, and third-party services. You'll begin by getting to grips with key concepts in modern data management and artificial intelligence (AI), reviewing real-life use cases, and developing an appreciation of the AI Ladder principle. Once you've gotten to grips with the basics, you will explore how Cloud Pak for Data helps in the elegant implementation of the AI Ladder practice to collect, organize, analyze, and infuse data and trustworthy AI across your business. As you advance, you'll discover the capabilities of the platform and extension services, including how they are packaged and priced. With the help of examples present throughout the book, you will gain a deep understanding of the platform, from its rich capabilities and technical architecture to its ecosystem and key go-to-market aspects. By the end of this IBM book, you'll be able to apply IBM Cloud Pak for Data's prescriptive practices and leverage its capabilities to build a trusted data foundation and accelerate AI adoption in your enterprise. What you will learn Understand the importance of digital transformations and the role of data and AI platforms Get to grips with data architecture and its relevance in driving AI adoption using IBM's AI Ladder Understand Cloud Pak for Data, its value proposition, capabilities, and unique differentiators Delve into the pricing, packaging, key use cases, and competitors of Cloud Pak for Data Use the Cloud Pak for Data ecosystem with premium IBM and third-party services Discover IBM's vibrant ecosystem of proprietary, open-source, and third-party offerings from over 35 ISVs Who this book is for This book is for data scientists, data stewards, developers, and data-focused business executives interested in learning about IBM's Cloud Pak for Data. Knowledge of technical concepts related to data science and familiarity with data analytics and AI initiatives at various levels of maturity are required to make the most of this book.

Patterns of Information Management Dec 14 2020 In the era of "Big Data," effective information management has become crucial to the success of virtually all organizations. Unfortunately, few IT practitioners know today's best practices for successfully managing enterprise information resources. Patterns for Information Management offers the solution: a multi-disciplinary patterns-based approach that reflects where information comes from, how it is distributed, protected, governed, monitored -- and, ultimately, utilized.

IBM FlashSystem 5200 Product Guide Feb 13 2021 This IBM® Redbooks® Product Guide publication describes the IBM FlashSystem® 5200 solution, which is a next-generation IBM FlashSystem control enclosure. It is an NVMe end-to-end platform that is targeted at the entry and midrange market and delivers the full capabilities of IBM FlashCore® technology. It also provides a rich set of software-defined storage (SDS) features that are delivered by IBM Spectrum® Virtualize, including the following features: Data reduction and deduplication Dynamic tiering Thin provisioning Snapshots Cloning Replication Data copy services Transparent Cloud Tiering IBM HyperSwap® including 3-site replication for high availability (HA) Scale-out and scale-up configurations further enhance capacity and throughput for better availability. The IBM FlashSystem 5200 is a high-performance storage solution that is based on a revolutionary 1U form factor. It consists of 12 NVMe Flash Devices in a 1U storage enclosure drawer with full redundant canister components and no single point of failure. It is designed for businesses of all sizes, including small, remote, branch offices and regional clients. It is a smarter, self-optimizing solution that requires less management, which enables organizations to overcome their storage challenges. Flash has come of age and price point reductions mean that lower parts of the storage market are seeing the value of moving over to flash and NVMe--based solutions. The IBM FlashSystem 5200 advances this transition by providing incredibly dense tiers of flash in a more affordable package. With the benefit of IBM FlashCore Module compression and new QLC flash-based technology becoming available, a compelling argument exists to move away from Nearline SAS storage and on to NVMe. With the release of IBM FlashSystem 5200 Software V8.4, extra functions and features are available, including support for new Distributed RAID1 (DRAID1) features, GUI

enhancements, Redirect-on-write for Data Reduction Pool (DRP) snapshots, and 3-site replication capabilities. This book is aimed at pre-sales and post-sales technical support and marketing and storage administrators.

Understanding IBM SOA Foundation Suite Dec 02 2019 Understanding IBM SOA Foundation Suite Learning Visually with Examples Master the IBM SOA Foundation Through 26 Hands-On, Start-to-Finish Tutorials The IBM SOA Foundation Suite is an integrated, open-standards-based set of software, best practices, and patterns that help you systematically maximize the business value of SOA. Understanding IBM SOA Foundation Suite brings together 26 hands-on tutorials that will help you master IBM SOA Foundation and apply it successfully in your organization. Four of IBM's SOA practitioners identify core IBM SOA Foundation components and usage scenarios, and walk you step-by-step through implementing them in real-world environments. This book's self-contained tutorials are presented both in print and through video on the accompanying CD-ROM, showing you the results of every action immediately, whether you're running the software or not. Using these tutorials, technical professionals can quickly move up the learning curve, discovering how each product works, and how they fit together. You'll gain the big picture overview you need to make intelligent up-front decisions, and all the hands-on practice you need to prototype working solutions. Coverage includes Designing services with UML, sharing designs via HTML files, and transforming designs to and from Java with IBM Rational Software Architect Creating services with IBM Rational Application Developer, and deploying them with IBM WebSphere Application Server Implementing effective service governance with IBM WebSphere Service Registry and Repository Integrating existing services into new business processes with IBM WebSphere Integration Developer and IBM WebSphere Process Server Connecting services with IBM WebSphere Message Broker Developing, testing, deploying, and managing portlets with IBM WebSphere Portlet Factory and IBM WebSphere Portal Systematically securing services with IBM Tivoli Federated Identity Manager

IBM FlashSystem 7200 Product Guide Feb 02 2020 This IBM® Redbooks® Product Guide publication describes the IBM FlashSystem® 7200 solution, which is a comprehensive, all-flash, and NVMe-enabled enterprise storage solution that delivers the full capabilities of IBM FlashCore® technology. In addition, it provides a rich set of software-defined storage (SDS) features, including data reduction and de-duplication, dynamic tiering, thin-provisioning, snapshots, cloning, replication, data copy services, and IBM HyperSwap® for high availability (HA). Scale-out and scale-up configurations further enhance capacity and throughput for better availability

IBM FlashSystem 5000 Family Products Mar 29 2022 This IBM® Redbooks® publication provides an introduction and overview of the latest products in the IBM FlashSystem® 5000 Family, including their hardware and software features.

The IBM Style Guide Jul 09 2020 Straight from IBM: complete, proven guidelines for writing consistent, clear, concise, consumable, reusable, and easy to-translate content Brings together everything IBM has learned about writing outstanding technical and business content.

DITA Best Practices Oct 24 2021 &>The Start-to-Finish, Best-Practice Guide to Implementing and Using DITA Darwin Information Typing Architecture (DITA) is today's most powerful toolbox for constructing information. By implementing DITA, organizations can gain more value from their technical documentation than ever before. Now, three DITA pioneers offer the first complete roadmap for successful DITA adoption, implementation, and usage. Drawing on years of experience helping large organizations adopt DITA, the authors answer crucial questions the "official" DITA documents ignore, including: Where do you start? What should you know up front? What are the pitfalls in implementing DITA? How can you avoid those pitfalls? The authors begin with topic-based writing, presenting proven best practices for developing effective topics and short descriptions. Next, they address content architecture, including how best to set up and implement DITA maps, linking strategies, metadata, conditional processing, and content reuse. Finally, they offer "in the trenches" solutions for ensuring quality implementations, including guidance on content conversion. Coverage includes: Knowing how and when to use each DITA element—and when not to Writing "minimalist," task-oriented information that quickly meets users' needs Creating effective task, concept, and reference topics for any product, technology, or service Writing effective short descriptions that work well in all contexts Structuring DITA maps to bind topics together and provide superior navigation Using links to create information webs that improve retrievability and navigation Gaining benefits from metadata without getting lost in complexity Using conditional processing to eliminate redundancy and rework Systematically promoting reuse to improve quality and reduce costs Planning, resourcing, and executing effective content conversion Improving quality by editing DITA content and XML markup If you're a writer, editor, information architect, manager, or consultant who evaluates, deploys, or uses DITA, this book will guide you all the way to success. Also see the other books in this IBM Press series: Developing Quality Technical Information: A Handbook for Writers and Editors The IBM Style Guide: Conventions for Writers and Editors

The IBM Data Governance Unified Process May 19 2021 Anyone considering a data governance program within their organisation will find an invaluable step-by-step methodology using IBM tools and best practices in this structured how-to. While many in the IT industry hold separate definitions in their minds, this authoritative manual defines data governance as the discipline of treating data as an enterprise asset. The intricate process of data governance involves the exercise of decision rights to optimise, secure, and leverage data. Providing a rigorous explanation of the 14 steps and almost 100 substeps to enact unified data governance, this extensive handbook also shows that the core issues to be tackled are not about technology but rather about people and process.

IBM SAN Solution Design Best Practices for VMware vSphere ESXi Jan 15 2021 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.

IBM PowerVM Virtualization Introduction and Configuration Sep 22 2021 This IBM® Redbooks® publication provides an introduction to PowerVMTM 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.

Performing Information Governance Jan 03 2020 Using case studies and hands-on activities, this book discusses topics in information governance (IG): recognizing hidden development and operational implications of IG—and why it needs to be integrated in the broader organization; integrating IG activities with transactional processing, BI, MDM, and other enterprise information management functions; the information governance organization: defining roles, launching projects, and integrating with ongoing operations; performing IG in transactional projects, including those using agile methods and COTS products; bringing stronger information governance to MDM: strategy, architecture, development, and beyond; governing information throughout the BI or big data

project lifecycle; performing ongoing IG and data stewardship operational processes; auditing and enforcing data quality management in the context of enterprise information management; maintaining and evolving metadata management for maximum business value. -- Sc Edited summary from book.

IBM Intelligent Operations Center for Smarter Cities Administration Guide Apr 05 2020 IBM® defines a smarter city as one that makes optimal use of all available information to better understand and control its operations and optimize the use of resources. There is much information available from different sources. However, city officials often lack the holistic view of the city's operations that is required to respond to the citizens' needs in a timely manner and use the city resources wisely. IBM Intelligent Operations Center delivers a unified view of city agencies, providing three primary elements for successful management of cities: use information, anticipate problems, and coordinate actions and resources. Chapter 1 of this IBM Redbooks® publication introduces the IBM Intelligent Operations Center solution. The chapter provides a high-level overview of its features, benefits, and architecture. This information is intended for city officials and IT architects that must understand the business value of IBM Intelligent Operations Center and its architecture. The remaining chapters of this book focus on information that help IBM Intelligent Operations Center administrators perform daily administration tasks. This book describes commands and tools that IBM Intelligent Operations Center administrators must use to keep the solution running, troubleshoot and diagnose problems, and perform preventive maintenance. This book includes preferred practices, tips and techniques, and general suggestions for administrators of IBM Intelligent Operations Center on-premises deployments. For related information about this topic, refer to the following IBM Redbooks publications: IBM Intelligent Operations Center for Smarter Cities Redpaper, REDP-4939 IBM Intelligent Operations Center for Smarter Cities Solution Guide

IBM Spectrum LSF Suite: Installation Best Practices Guide Aug 22 2021 This IBM® Redpaper publication describes IBM Spectrum® LSF® Suite best practices installation topics, application checks for workload management, and high availability configurations by using theoretical knowledge and hands-on exercises. These findings are documented by way of sample scenarios. This publication addresses topics for sellers, IT architects, IT specialists, and anyone who wants to implement and manage a high-performing workload management solution with LSF. Moreover, this guide provides documentation to transfer how-to-skills to the technical teams, and solution guidance to the sales team. This publication compliments documentation that is available at IBM Knowledge Center, and aligns with educational materials that are provided by IBM Systems.

ITIL Capacity Management (paperback) Sep 30 2019 The Business-Focused, Best-Practice Guide to Succeeding with ITIL Capacity Management Using ITIL(R) capacity management processes, IT organizations can eliminate waste and overbuying, reduce both equipment and staffing costs, drive more value from existing investments, and consistently provide the right resources to meet the needs of the business. Now, in this comprehensive, best-practice guide, leading ITIL expert Larry Klosterboer systematically explains how to manage capacity using the ITIL framework and techniques. Drawing on his extensive ITIL experience, Klosterboer covers all facets of ITIL-based capacity management, and offers proven solutions to the challenges IT organizations encounter in implementation. He presents expert guidance on accurately projecting demand and growth, planning and staffing, tool selection, process implementation, and much more. This book's practical insights will be invaluable to every IT leader who wants to leverage ITIL's best practices for capacity management, and for every business and technical manager who wants IT to deliver greater value, efficiency, and effectiveness. Coverage includes Making the business case for capacity management Establishing specific goals for capacity management Mastering ITIL capacity management terminology Predicting capacity in dynamic, fast-changing organizations Implementing systems that help you anticipate trends Defining capacity plans, staffing capacity management teams, and implementing ongoing processes Linking capacity with performance management and with other ITIL processes Selecting the right capacity management tools for your environment Integrating capacity issues into your IT project management discipline Using "business capacity planning" to help the entire business become more agile

Temenos on IBM LinuxONE Best Practices Guide Nov 12 2020 The world's most successful banks run on IBM®, and increasingly IBM LinuxONE. Temenos, the global leader in banking software, has worked alongside IBM for many years on banking deployments of all sizes. This book marks an important milestone in that partnership. Temenos on IBM LinuxONE Best Practices Guide shows financial organizations how they can combine the power and flexibility of the Temenos solution with the IBM platform that is purpose built for the digital revolution.

Best Practices for Managing IBM i Jobs and Output (and a few other special tips) May 31 2022 Jobs and spooled output consume system resources, mainly the CPU used to create and manage them and the storage to contain them. Typically, in most environments, you can manage resources that jobs and spooled files consume successfully. However, on the largest systems, with the largest numbers of jobs and very large numbers of spooled files, you can encounter limits. Too many jobs can fill up the job table, or too many spooled files can consume all the system's storage. Having a large number of jobs and spooled files in the system can contribute to potentially long IPLs for unexpected outages. Having a very large number of spooled files on a single output queue can result in lock contention. This IBM® Redpaper publication describes best practices and recommendations for managing jobs and spooled output on IBM i. It provides an overview of the various controls within the IBM i operating system that you can configure to adjust the limits for spooled output and jobs. It also provides recommendations for setting these values. We do not explain in detail each of the configuration controls that we discuss in this paper. Rather, if you need additional information regarding the topics that we discuss, see the IBM i 6.1 Information Center at: <http://publib.boulder.ibm.com/iseseries/>

Process Discovery Best Practices Using IBM Blueworks Live Oct 12 2020 Business processes and decisions are the backbone of every company, from the small to the Fortune 50; it is how the business runs. It is these processes and decisions that can create competitive advantage, help a company react more quickly to changing trends, or drag them down because the processes do not serve the business and allow agility. The first step in building business agility is to understand how the business works today; What are my processes? What are the decisions we are making and how do we make them? Understanding these processes and decisions can allow a company to improve, streamline, and increase efficiency. Capturing business processes can be a daunting task. Adding to that burden is learning the tool of choice for capturing those processes. This book helps the audience ramp up more quickly to a fully functional process analyst by explaining all of the features of IBM Blueworks Live™ and how best to use them. This IBM® Redpaper™ was written with a non-technical audience in mind. It is intended to help business users, subject matter experts, business analysts, and business managers get started with discovering, documenting, and analyzing the processes and decisions that are key to their company's business operations.

IBM ProtecTIER Implementation and Best Practices Guide Jul 21 2021 This IBM® Redbooks® publication provides best practice guidance for planning, installing, configuring, and employing the IBM TS7600 ProtecTIER® family of products. It provides the latest best practices for the practical application of ProtecTIER Software Version 3.4. This latest release introduces the new ProtecTIER Enterprise Edition TS7650G DD6 model high performance server. This book also includes information about the revolutionary and patented IBM HyperFactor® deduplication engine, along with other data storage efficiency techniques, such as compression and defragmentation. The IBM System Storage® TS7650G ProtecTIER Deduplication Gateway and the IBM System Storage TS7620 ProtecTIER Deduplication Appliance Express are disk-based data storage systems: The Virtual Tape Library (VTL) interface is the foundation of ProtecTIER and emulates traditional automated tape libraries. For your existing ProtecTIER solution, this guide provides best practices and suggestions to boost the performance and the effectiveness of data deduplication with regards to your application platforms for your VTL and FSI (systems prior to version 3.4). When you build a ProtecTIER data deduplication environment, this guide can help IT architects and solution designers plan for the best option and scenario for data deduplication for their environments. This book can help you optimize your deduplication ratio, while reducing the hardware, power and cooling, and management costs. This Redbooks publication provides expertise that was gained from an IBM ProtecTIER System Client Technical Specialist (CTS), Development, and Quality Assurance teams. This planning should be done by the Sales Representative or IBM Business Partner, with the help of an IBM System CTS or IBM Solution Architect.

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