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From Pots and Vats to Programs and Apps Springer Nature

The purpose of this IBM® Redpaper® document is to provide best practice guidelines to design and implement IBM FlashSystem® storage for database workloads. The recommended settings and values are based on lab testing, proof of concept (PoC) and experience drawn from customer implementations. Suggestions that are presented in this document are applicable to most production database environments to increase performance of I/O and availability. However, more considerations might be required while designing,

configuring, and implementing storage for extreme transactional, analytical, and database cluster environments. Customers are migrating database storage to IBM FlashSystem largely due to low latency performance of the IBM FlashSystem family of Storage. Using IBM FlashSystem, IBM customers are able to achieve low latency for queries and transactions from milliseconds to microseconds, realize a multi-fold increase in application level transactions per second, increase CPU efficiency and reduce database licensing costs. Recent additions of data reduction technologies to IBM FlashSystem further increase overall TCO benefits. All IBM FlashSystem models now offer compression, which can reduce database storage by 40 - 80% depending on database software. In addition to best practices that are described in this document, the IBM FlashSystem

Worldwide Solutions Engineering Team can further assist customers with performing analysis of current database workloads for IBM FlashSystem benefits, perform PoCs at our labs, and help with implementation.

Human Rights and the Developing International Legal Obligations of Companies IBM Redbooks

Understand how to use service mesh architecture to efficiently manage and safeguard microservices-based applications with the help of examples Key Features Manage your cloud-native applications easily using service mesh architecture Learn about Istio, Linkerd, and Consul - the three primary open source service mesh providers Explore tips, techniques, and best practices for building secure, high-performance microservices Book Description Although microservices-based applications support DevOps and continuous delivery, they can also add to the complexity of testing and observability. The implementation of a service mesh architecture, however, allows you to secure, manage, and scale your microservices more efficiently. With the help of practical examples, this book demonstrates how to install, configure, and deploy an efficient service mesh for microservices in a Kubernetes environment. You'll get started with a hands-on introduction to the concepts of cloud-native application management and service mesh architecture, before learning how to build your own Kubernetes environment. While exploring later chapters, you'll get to grips with the three major service mesh providers: Istio, Linkerd, and Consul. You'll be able to identify their specific functionalities, from traffic management, security, and certificate authority through to sidecar injections and observability. By the end of this book, you will have developed

the skills you need to effectively manage modern microservices-based applications. What you will learn Compare the functionalities of Istio, Linkerd, and Consul Become well-versed with service mesh control and data plane concepts Understand service mesh architecture with the help of hands-on examples Work through hands-on exercises in traffic management, security, policy, and observability Set up secure communication for microservices using a service mesh Explore service mesh features such as traffic management, service discovery, and resiliency Who this book is for This book is for solution architects and network administrators, as well as DevOps and site reliability engineers who are new to the cloud-native framework. You will also find this book useful if you're looking to build a career in DevOps, particularly in operations. Working knowledge of Kubernetes and building microservices that are cloud-native is necessary to get the most out of this book.

Slash Inventories, Out-of-stocks and Costs with Far Less Forecasting IBM Redbooks

This is a step-by-step example-oriented tutorial aimed at showing the reader how to troubleshoot a variety of vSphere storage problems, and providing the reader with solutions that can be completed with minimal effort and time in order to limit damage to work. If you are a vSphere administrator, this is the book for you. This book will provide you with 'need to know' information about the various storage transports that ESXi utilizes, the tools and techniques we can use to identify problems, and the fundamental knowledge and steps to take to troubleshoot storage-related issues. Prior knowledge of the VMWare environment is assumed.

Future Business Clouds Russ Reeder

In today's hyper-transparent world, consumers have enormous power to decide which brands are worth their time and money—so how do you make sure they choose yours?

Unfortunately, most leaders and organizations are stuck following archaic, detrimental business practices. Meanwhile, savvy consumers and employees across every generation are making their stance perfectly clear: They are not interested in supporting organizations that seem inauthentic, soulless, or untrustworthy. In this environment, only the honest will survive. In *Honest to Greatness*, serial Inc. 5000 entrepreneur Peter Kozodoy shows how today's greatest business leaders use honesty—not as a touchy-feely core value, but as a business strategy that produces game-changing, industry-dominating success. Through case studies and interviews with leaders at Bridgewater Associates, Sprint, Quicken Loans, Domino's, The Ritz-Carlton, and more, Kozodoy presents fresh business concepts that anyone in the workplace can implement in order to:

- Reach, engage, and retain your best customers
- Attract and inspire the best talent in any industry
- Create an unbeatable culture of innovation that dominates your competitors
- Earn your team's respect and loyalty
- Unlock deep personal fulfillment by setting the "right" goals

Filled with powerful lessons for current and future leaders, this timely book demonstrates how to use honesty at both the organizational and individual level to achieve true greatness in business and in life.

IBM FlashSystem 9200 Product Guide Prabhat Prakashan

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.

Mastering Veeam Backup & Replication 10 Herbert Utz Verlag

Does this sound familiar? - You have been barely surviving for months on end. - You are trying hard to get your great talent back to work. - You want to innovate to ensure the long-term success of your hotel. But... - You are unsure where to start. - You are worried about making costly investment mistakes. - You can't wait years for results. Hospitality is at a crossroads. The old business model is broken, and the hoteliers of the future know this. They aren't sitting around waiting for the clock to turn back - they are seizing this opportunity. Whilst some brands are struggling, others are finding new ways to do what they've always done: serve their customers. If you think of wellness as an amenity or not a significant revenue-generating area of your

business, global wellness expert, Sonal Uberoi, will shift your mindset and unlock its potential. Sonal Uberoi has transformed leading hotels through wellness. In this book, she shares her ESSENCE model, which takes you from assessing potential ideas to implementing and honing your offering to give your guests an experience so good they will do your marketing for you - in months, not years. If you're ready to build an offering so strong that your guests regularly return and profits stay healthy no matter what, you're ready to capitalise on your wellness asset...

IBM SAN Volume Controller Best Practices and Performance Guidelines John Wiley & Sons

How prepared are you to build fast and efficient web applications? This eloquent book provides what every web developer should know about the network, from fundamental limitations that affect performance to major innovations for building even more powerful browser applications—including HTTP 2.0 and XHR improvements, Server-Sent Events (SSE), WebSocket, and WebRTC. Author Ilya Grigorik, a web performance engineer at Google, demonstrates performance optimization best practices for TCP, UDP, and TLS protocols, and explains unique wireless and mobile network optimization requirements. You'll then dive into performance characteristics of technologies such as HTTP 2.0, client-side network scripting with XHR, real-time streaming with SSE and WebSocket, and P2P communication with WebRTC. Deliver superlative TCP, UDP, and TLS performance Speed up network performance over 3G/4G mobile networks Develop fast and energy-efficient mobile applications Address bottlenecks in HTTP 1.x and other browser protocols Plan for and deliver the best HTTP 2.0 performance

Enable efficient real-time streaming in the browser Create efficient peer-to-peer videoconferencing and low-latency applications with real-time WebRTC transports

Principles, Use Cases and Outlook Springer

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.

Introduction and Implementation of Data Reduction Pools and Deduplication Createspace Independent Publishing Platform Networking doesn't have to feel like a sales-focused event where you're using people to get ahead. Create meaningful connections, easily strike up genuine conversations, and dazzle people with your natural charm. In *Confident Introvert*, Stephanie Thoma shows you the key steps you'll need to take to unlock your potential and win at networking. Within these pages, you'll discover strategies that go beyond collecting business cards to find your natural confidence and connect with anyone.

IBM FlashSystem 5200 Product Guide Packt Publishing Ltd July 2019 Printed in BLACK AND WHITE The Army's Weapon Systems Handbook was updated in July 2019, but is still titled "Weapon Systems Handbook 2018." We are printing this in black and white to keep the price low. It presents many of the acquisition programs currently fielded or in development. The U.S. Army Acquisition Corps, with its 36,000 professionals, bears a unique responsibility for the oversight and systems management of the Army's acquisition lifecycle. With

responsibility for hundreds of acquisition programs, civilian and military professionals collectively oversee research, development and acquisition activities totaling more than \$20 billion in Fiscal Year 2016 alone. Why buy a book you can download for free? We print this so you don't have to. We at 4th Watch Publishing are former government employees, so we know how government employees actually use the standards. When a new standard is released, somebody has to print it, punch holes and put it in a 3-ring binder. While this is not a big deal for a 5 or 10-page document, many DoD documents are over 400 pages and printing a large document is a time-consuming effort. So, a person that's paid \$25 an hour is spending hours simply printing out the tools needed to do the job. That's time that could be better spent doing mission. We publish these documents so you can focus on what you are there for. It's much more cost-effective to just order the latest version from Amazon.com. SDVOSB If there is a standard you would like published, let us know. Our web site is usgovpub.com

Mastering VMware vSphere 6.5 Factory 2 Shelf Pub

Integrate big data into business to drive competitive advantage and sustainable success Big Data MBA brings insight and expertise to leveraging big data in business so you can harness the power of analytics and gain a true business advantage. Based on a practical framework with supporting methodology and hands-on exercises, this book helps identify where and how big data can help you transform your business. You'll learn how to exploit new sources of customer, product, and operational data, coupled with advanced analytics and data science, to optimize key processes, uncover monetization opportunities, and create

new sources of competitive differentiation. The discussion includes guidelines for operationalizing analytics, optimal organizational structure, and using analytic insights throughout your organization's user experience to customers and front-end employees alike. You'll learn to "think like a data scientist" as you build upon the decisions your business is trying to make, the hypotheses you need to test, and the predictions you need to produce. Business stakeholders no longer need to relinquish control of data and analytics to IT. In fact, they must champion the organization's data collection and analysis efforts. This book is a primer on the business approach to analytics, providing the practical understanding you need to convert data into opportunity. Understand where and how to leverage big data Integrate analytics into everyday operations Structure your organization to drive analytic insights Optimize processes, uncover opportunities, and stand out from the rest Help business stakeholders to "think like a data scientist" Understand appropriate business application of different analytic techniques If you want data to transform your business, you need to know how to put it to use. Big Data MBA shows you how to implement big data and analytics to make better decisions.

Find Your Enough IBM Redbooks

Discover high-value Azure security insights, tips, and operational optimizations This book presents comprehensive Azure Security Center techniques for safeguarding cloud and hybrid environments. Leading Microsoft security and cloud experts Yuri Diogenes and Dr. Thomas Shinder show how to apply Azure Security Center's full spectrum of features and capabilities to address protection, detection, and response in key operational

scenarios. You'll learn how to secure any Azure workload, and optimize virtually all facets of modern security, from policies and identity to incident response and risk management. Whatever your role in Azure security, you'll learn how to save hours, days, or even weeks by solving problems in most efficient, reliable ways possible. Two of Microsoft's leading cloud security experts show how to:

- Assess the impact of cloud and hybrid environments on security, compliance, operations, data protection, and risk management
- Master a new security paradigm for a world without traditional perimeters
- Gain visibility and control to secure compute, network, storage, and application workloads
- Incorporate Azure Security Center into your security operations center
- Integrate Azure Security Center with Azure AD Identity Protection Center and third-party solutions
- Adapt Azure Security Center's built-in policies and definitions for your organization
- Perform security assessments and implement Azure Security Center recommendations
- Use incident response features to detect, investigate, and address threats
- Create high-fidelity fusion alerts to focus attention on your most urgent security issues
- Implement application whitelisting and just-in-time VM access
- Monitor user behavior and access, and investigate compromised or misused credentials
- Customize and perform operating system security baseline assessments
- Leverage integrated threat intelligence to identify known bad actors

Effectively deploy, manage, and monitor your virtual datacenter with VMware vSphere 6.7, 2nd Edition IBM Redbooks

This book focuses on the analytic principles of business practice and big data. Specifically, it provides an interface between the

main disciplines of engineering/technology and the organizational and administrative aspects of management, serving as a complement to books in other disciplines such as economics, finance, marketing and risk analysis. The contributors present their areas of expertise, together with essential case studies that illustrate the successful application of engineering management theories in real-life examples.

Big Data Management IBM Redbooks

I was an overweight corporate roller in my early thirties, who smoked, ate, and partied too much; I was riding towards the heart-attack-land. But then I read Nigel Marsh's book titled *Fat, Forty, and Fired* - and I decided to change my trajectory. This book is one of my dreams come true: publishing a creative work while turning forty without being fat (or fired). I've written this for my children, Diana and Peter Jr. It's a book that my teenage self would love to find among the shelves of that public library back in Maribor, Slovenia. I found joy in my life, and I wish for my children - and anyone else reading this book - to find it as well. The secret is to find your "enough." -That middle between excesses and scarcity.

Process Mining in Action Packt Publishing Ltd

The Complete VMware vSphere Guide Design a virtualized data center with VMware vSphere 6.7 Packt Publishing Ltd

Implementing IBM FlashSystem V9000 - AC3 with Flash Enclosure Model AE3 ICHRP

Veeam is an infrastructure backup solution for VMware vSphere or Hyper-V to enable VM and server backup. This book takes you through installation best practices, optimizations, and the 3-2-1 rule, before going on to examine repository and proxy-related

topics and finally advanced topics such as DataLabs, Instant VM Recovery, and Veeam ONE.

The Complete VMware vSphere Guide "O'Reilly Media, Inc."

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.

Ein Beitrag zum Zukunftsprojekt Internetbasierte Dienste für die Wirtschaft The Complete VMware vSphere Guide Design a virtualized data center with VMware vSphere 6.7

Updated March 2019 - See Appendix B: IBM FlashSystem V9000 FlashCore Forever The success or failure of businesses often depends on how well organizations use their data assets for competitive advantage. Deeper insights from data require better information technology. As organizations modernize their IT infrastructure to boost innovation rather than limit it, they need a data storage system that can keep pace with several areas that affect your business: Highly virtualized environments Cloud

computing Mobile and social systems of engagement In-depth, real-time analytics Making the correct decision on storage investment is critical. Organizations must have enough storage performance and agility to innovate when they need to implement cloud-based IT services, deploy virtual desktop infrastructure, enhance fraud detection, and use new analytics capabilities. At the same time, future storage investments must lower IT infrastructure costs while helping organizations to derive the greatest possible value from their data assets. The IBM® FlashSystem V9000 is the premier, fully integrated, Tier 1, all-flash offering from IBM. It has changed the economics of today's data center by eliminating storage bottlenecks. Its software-defined storage features simplify data management, improve data security, and preserve your investments in storage. The IBM FlashSystem® V9000 SAS expansion enclosures provide new tiering options with read-intensive SSDs or nearline SAS HDDs. IBM FlashSystem V9000 includes IBM FlashCore® technology and advanced software-defined storage available in one solution in a compact 6U form factor. IBM FlashSystem V9000 improves business application availability. It delivers greater resource utilization so you can get the most from your storage resources, and achieve a simpler, more scalable, and cost-efficient IT Infrastructure. This IBM Redbooks® publication provides information about IBM FlashSystem V9000 Software V8.1. It describes the core product architecture, software, hardware, and implementation, and provides hints and tips. The underlying basic hardware and software architecture and features of the IBM FlashSystem V9000 AC3 control enclosure and on IBM Spectrum Virtualize 8.1 software are described in these publications:

Implementing IBM FlashSystem 900 Model AE3, SG24-8414
Implementing the IBM System Storage SAN Volume Controller V7.4, SG24-7933
Using IBM FlashSystem V9000 software functions, management tools, and interoperability combines the performance of IBM FlashSystem architecture with the advanced functions of software-defined storage to deliver performance, efficiency, and functions that meet the needs of enterprise workloads that demand IBM MicroLatency® response time. This book offers IBM FlashSystem V9000 scalability concepts and guidelines for planning, installing, and configuring, which can help environments scale up and out to add more flash capacity and expand virtualized systems. Port utilization methodologies are provided to help you maximize the full potential of IBM FlashSystem V9000 performance and low latency in your scalable environment. This book is intended for pre-sales and post-sales technical support professionals, storage administrators, and anyone who wants to understand how to implement this exciting technology.

Flowcasting the Retail Supply Chain John Wiley & Sons

Despite the myriad supply chain management approaches that have been spawned over the last decade or more, retailers have been unable to put a dent in out-of-stocks at store level, Why is that? Andre' Martin, Mike Doherty, and Jeff Harrop- all experienced practitioners, consultants, and implementation specialists in the field of time-phased supply chain planning - have been asking themselves the same question and have come to the conclusion that 1) far less forecasting is needed in the retail supply chain and 2) the only forecasting that needs to happen is at the store shelf. Flowcasting the Retail Supply Chain outlines a

breakthrough approach for supply chain planning that mimics the natural flow of products from the factory to the consumer. It is the first and only approach that truly puts the consumer front and center when planning the supply chain.

[iSCSI Implementation and Best Practices on IBM Storwize Storage Systems](#) Chronicle Books

On the Edge is an engaging leadership manual that provides concrete insights garnered from various extreme environments ranging from Mt Everest to the South Pole. By reflecting on the lessons learned from her various expeditions, author Alison

Levine makes the case that the leadership principles that apply in extreme adventure sport also apply in today's extreme business environments. Both settings require you to be able to make crucial decisions on the spot when the conditions around you are far from perfect. Your survival -and the survival of your team- depend on it. On the Edge provides a framework to help people scale whatever big peaks they aspire to climb-be they literal or figurative-by offering practical, humorous, and often unorthodox advice about how to grow as a leader.

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