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## COLON SHELTON

*Architecting Enterprise Blockchain Solutions* John Wiley & Sons

This IBM® Redbooks® publication describes the IBM Storage Area Network and IBM SAN Volume Controller Stretched Cluster solution when combined with VMware. We describe guidelines, settings, and implementation steps necessary to achieve a satisfactory implementation. Business continuity and continuous application availability are among the top requirements for many organizations today. Advances in virtualization, storage, and networking have made enhanced business continuity possible. Information technology solutions can now be designed to manage both planned and unplanned outages, and the flexibility and cost efficiencies available from cloud computing models. IBM has designed a solution that offers significant functionality for maintaining business continuity in a VMware environment. This functionality provides the capability to dynamically move applications across data centers without interruption to those applications. The live application mobility across data centers relies on these products and technology: The industry-proven VMware Metro vMotion IBM System Storage® SAN Volume Controller Stretched Cluster solution A Layer 2 IP Network and storage networking infrastructure for high performance traffic management DC interconnect

*Annual Scientific Report* John Wiley & Sons

The Green and Virtual Data Center sets aside the political aspects of what is or is not considered green to instead focus on the opportunities for organizations that want to sustain environmentally-friendly economical growth. If you are willing to believe that IT infrastructure resources deployed in a highly virtualized manner can be combined with other technologies to achieve simplified and cost-effective delivery of services in a green, profitable manner, this book is for you. Savvy industry veteran Greg Schulz provides real-world insight, addressing best practices, server, software, storage, networking, and facilities issues concerning any current or next-generation virtual data center that relies on underlying physical infrastructures. Coverage includes: Energy and data footprint reduction Cloud-based storage and computing Intelligent and adaptive power management Server, storage, and networking virtualization Tiered servers and storage, network, and data centers Energy avoidance and energy efficiency Many current and emerging technologies can enable a green and efficient virtual data center to support and sustain business growth with a reasonable return on investment. This book presents virtually all critical IT technologies and techniques to discuss the interdependencies that need to be supported to enable a dynamic, energy-efficient, economical, and environmentally-friendly green IT data center. This is a path that every organization must ultimately follow. Take a tour of the Green and Virtual Data Center website. CRC Press is pleased to announce that The Green and Virtual Data Center has been added to Intel Corporation's Recommended Reading List. Intel's Recommended Reading program provides technical professionals a simple and handy reference list of what to read to stay abreast of new technologies. Dozens of industry technologists, corporate fellows, and engineers have helped by suggesting books and reviewing the list. This is the most comprehensive reading list available for professional computer developers.

*System Center 2016 Virtual Machine Manager Cookbook*, Marshall Cavendish International Asia Pte Ltd

Learn efficient ways to harness and manage your data storage networks Whether you're preparing for the CompTIA Storage+ exam or simply seeking a deeper understanding of data storage networks, this Sybex guide will help you get there. This book covers data storage from the basics to advanced topics, and provides practical examples to show you ways to deliver world-class solutions. In addition, it covers all the objectives of the CompTIA Storage+ exam (SG0-001), including storage components, connectivity, storage management, data protection, and storage performance. Focuses on designing, implementing, and administering storage for today's evolving organizations, getting under the hood of the technologies that enable performance, resiliency, availability, recoverability, and simplicity Covers virtualization, big data, cloud storage, security, and scalability as well as how storage fits in to the wider technology environments prevalent in today's cloud era Provides advice and real-world examples that storage administrators in the trenches can actually use An excellent study aid for the CompTIA Storage+ exam (SG0-001), covering all the exam objectives Data Storage Networking: Real World Skills for the CompTIA Storage+ Certification and Beyond provides a solid foundation for data storage administrators and a reference that can be consulted again and again.

*Fibre Channel Storage Area Networks* John Wiley & Sons

If you want to build your site's frontend with the single-page application (SPA) model, this hands-on book shows you how to get the job done with Backbone.js. You'll learn how to create structured JavaScript applications, using Backbone's own flavor of model-view-controller (MVC) architecture. Start with the basics of MVC, SPA, and Backbone, then get your hands dirty building sample applications—a simple Todo list app, a RESTful book library app, and a modular app with Backbone and RequireJS. Author Addy Osmani, an engineer for Google's Chrome team, also demonstrates advanced uses of the framework. Learn how Backbone.js brings MVC benefits to the client-side Write code that can be easily read, structured, and extended Work with the Backbone.Marionette and Thorax extension frameworks Solve common problems you'll encounter when using Backbone.js Organize your code into modules with AMD and RequireJS Paginate data for your Collections with the Backbone.Paginator plugin Bootstrap a new

Backbone.js application with boilerplate code Use Backbone with jQuery Mobile and resolve routing problems between the two Unit-test your

Backbone apps with Jasmine, QUnit, and SinonJS

*Data Center Virtualization Fundamentals* Packt Publishing Ltd

VCP Exam Cram VMware Certified Professional VCP-310 Exam Elias N. Khnaser Covers the critical information you'll need to know to score higher on your VCP exam! Master the essential concepts of VMware Infrastructure 3 Plan, install, deploy, and configure ESX Server 3.5 Understand how VMware Infrastructure is licensed Implement reliable virtualized storage operations Administer ESX Server 3.5 with VirtualCenter 2.5 Manage virtual machine operations Systematically secure your virtual infrastructure Manage and monitor virtual resources Troubleshoot problems with ESX Server 3.5 Implement effective backup, disaster recovery, and business continuity Maximize system availability in virtualized environments WRITTEN BY A LEADING EXPERT: Elias N. Khnaser is a published author, speaker, and consultant specializing in server-based computing and virtualization. He has implemented many of the world's largest Citrix deployments. He is co-author of Citrix CCA MetaFrame Presentation Server 3.0 and 4.0 Exam Cram (Exams 223/256) and Citrix MetaFrame XP Including Feature Release 1.

*CentOS System Administration Essentials* Pearson Education

Digital Bank tracks the innovations in banking and how the mobile internet is changing the dynamics of consumer and corporate relationships with their banks. The implication is that banks must become digitised, and that is a challenge as becoming a Digital Bank demands new services focused upon 21st-century technologies. Digital Bank not only includes extensive guidance and background on the digital revolution in banking, but also in-depth analysis of the activities of incumbent banks such as Barclays in the UK and mBank in Poland, as well as new start-ups such as Metro Bank and disruptive new models of banking such as FIDOR Bank in Germany. Add on to these a comprehensive sprinkling of completely new models of finance, such as Zopa and Bitcoin, and you can see that this book is a must-have for anyone involved in the future of business, commerce and banking. Chris Skinner is best known as an independent commentator on the financial markets through the Finanser ([www.thefinanser.com](http://www.thefinanser.com)) and Chair of the European networking forum The Financial Services Club, which he founded in 2004. He is the author of ten books covering everything from European regulations in banking through the credit crisis to the future of banking, and is a regular commentator on BBC News, Sky News and Bloomberg about banking issues. More can be discovered about Chris here: <http://thefinanser.co.uk/fsclub/chris-skinner/>

*Data Storage Networking* McGraw Hill Professional

Demystify architecting complex blockchain applications in enterprise environments Architecting Enterprise Blockchain Solutions helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure. Blockchain is a technology that is experiencing massive growth in many facets of business and the enterprise. Most books around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance networks and complex ecosystems. Provides a practical, hands-on approach Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda Explores how blockchain can be used to solve complex IT support and infrastructure problems Offers numerous hands-on examples and diagrams Get ready to learn how to harness the power and flexibility of enterprise blockchains!

*Storage Virtualization* Microsoft Press

Over 80 recipes to teach you the power of vRealize Configuration Manager 5.8 to provide automated and continuous configuration management About This Book First book in the market that provides a broad configuration and compliance management solution for your enterprise. Champion the skills of the latest features of VMware vRealize Configuration Manager and implement it in your organization. A recipe based approach book that will enlighten you to configure VCM to collect and manage data from your virtual and physical environment. Who This Book Is For If you are a system administrator who is eager to provide better administration with VCM and are familiar with managing network users and resources along with performing system maintenance, then this book is for you. What You Will Learn Find out how to configure automated patching of your infrastructure for Windows as well Unix machines Maintain and upgrade your vRealize Configuration Manager Integrate with other VMware tools such as vCloud Director, vRealize Operations, vCenter, and vCloud Network and Security Understand what vRealize Configuration Manager is and what its capacities are Explore how vRealize Configuration Manager can be used for patching, compliance management, and software distribution Troubleshoot vRealize Configuration Manager with ease In Detail VMware vRealize Configuration Manager (VCM) helps you to automate IT operations, manage performance, and gain visibility across physical and virtual infrastructure. It is continuously being used by enterprises to audit the configurations of the VMware infrastructure as well as the Windows, Linux, and UNIX operating systems. This book is filled with practical recipes through which you will learn about the latest features of vRealize Configuration Manager 5.8.X, starting with installation of various tiers of VCM followed by configuration management across physical and virtual servers. Throughout this book, you will explore how VCM can perform tasks such as patch management, compliance assessment, and software package distribution along with Machine filters for new platforms such as RHEL 7 and Windows 10. This book will ease your

troubles while upgrading from the existing VCM to the latest version by providing you with step-by-step instructions about the process of migration along with upgrade and maintenance support. This book will help you understand how to integrate vRealize Configuration with other applications along with schedule management and also guide you on how to handle security issues. After reading this book, you will have a clear understanding of how VCM fits in the overall picture of the data center design from a patching and compliance perspective. Style and approach This book takes a recipe-based approach that will provide you with an effective and a practical configuration management solution for your enterprise.

**Microwave and RF Design, Volume 4** Elsevier

Fundamentals of Microwave and RF Design "is derived from a multi volume book series with an emphasis in this Fundamentals book being on presenting material, the fundamentals, required to cross the threshold to RF and microwave design." -- Preface

**Cognitive Computing and Information Processing** Cengage Learning

VCP4 Exam Cram VMware Certified Professional VCP-410 Exam Second Edition Elias Khnaser VCP4 Exam Cram, Second Edition, is the perfect study guide to help you pass the VMware VCP-410 exam. It provides coverage and practice questions for every exam topic. The book contains an extensive set of preparation tools, such as quizzes, Exam Alerts, and a practice exam, while the CD provides real-time practice and feedback with a 75-question test engine. Covers the critical information you'll need to know to score higher on your VCP-410 exam! . Master the essential concepts of VMware vSphere 4 . Plan, install, deploy, and configure ESX/ESXi 4.1 . Understand how VMware vSphere 4 is licensed . Implement reliable virtualized storage operations . Administer ESX/ESXi 4.1 with vCenter 4.1 . Manage virtual machine operations . Systematically secure your virtual infrastructure . Manage and monitor virtual resources . Troubleshoot problems with ESX/ESXi 4.1 . Implement effective backup, disaster recovery, and business continuity . Maximize system availability in virtualized environments Elias Khnaser is an author, speaker, and IT consultant specializing in Microsoft, Citrix, and VMware virtualization technologies. Elias is the practice manager for virtualization and cloud computing at Artemis Technology. With more than 14 years of experience, Elias is one of the world's leading experts on virtualization and cloud computing and is a recipient of the VMware vExpert award. CD Features 75 Practice Questions The test engine gives you an effective tool to assess your readiness for the exam . Detailed explanations of correct and incorrect answers . Multiple test modes . Random questions and order of answers . Coverage of each VCP-410 exam topic

**Developing Backbone.js Applications** "O'Reilly Media, Inc."

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.

**Radio Frequency and Microwave Electronics Illustrated** John Wiley & Sons

Use a Hybrid Cloud solution - combining cloud storage with on-premise storage - and help dramatically decrease costs while increasing scalability and agility. This book offers focused, concise insights on technical considerations, benefits, and tradeoffs, so you can begin planning for implementation. Explains, in both practical and strategic terms, how a new enterprise storage model can solve multiple challenges Delivers focused insights on architecture, access, backups, snapshots, data redundancy as a service, dedupes, capacity, data lifecycles, storage tiering, archiving, externalized blobs, storage consolidation, compression, bandwidth, and privacy and security planning The author is an expert for cloud storage technologies and is well known in the networking technologies community

**Netware 5 CNA(SM)/CNE** Pearson Education

FUNDAMENTALS OF OPEN SOURCE SOFTWAREPHI Learning Pvt. Ltd.

**Implementing the IBM System Storage SAN Volume Controller with IBM Spectrum Virtualize V8.2.1** Newnes

The 2013 edition of the bestselling vSphere book on the market Virtualization remains the hottest trend in the IT world, and VMware vSphere is the industry's most widely deployed virtualization solution. The demand for IT professionals skilled in virtualization and cloud-related technologies is great and expected to keep growing. This comprehensive Sybex guide covers all the features and capabilities of VMware vSphere, showing administrators step by step how to install, configure, operate, manage, and secure it. This perfect blend of hands-on instruction, conceptual explanation, and practical application is reinforced with real-world examples. Led by Scott Lowe and Nick Marshall, both VMware vExperts, the author team provides

expertise that will prepare IT professionals to excel in using this virtualization technology. Virtualization is seen as a "best practice" for high availability and disaster recovery solutions, as well as for applications such as Exchange Server and SharePoint IDC estimates that there are as many as 7 million jobs available worldwide in virtualization and cloud technology Provides hands-on instruction in all the latest features and capabilities of VMware vSphere, with both conceptual explanations and practical applications Author team is lead by Scott Lowe and Nick Marshall, well-known VMware experts and popular bloggers Mastering VMware vSphere provides what every virtualization professional needs to know.

**Digital Bank: Strategies to launch or become a digital bank** Springer

The amount of data being generated, processed, and stored has reached unprecedented levels. Even during the recent economic crisis, there has been no slow down or information recession. Instead, the need to process, move, and store data has only increased. Consequently, IT organizations are looking to do more with what they have while supporting gr

**VMware vSphere Design** John Wiley & Sons

A resilient storage network is an environment where data is always available for the needs of the business. This book explains the components, as well as how to design and implement a resilient storage network for workgroup, departmental, and enterprise environments. Storage networks are an enabling capability combining technology and best practices to provide the foundation to support information technology systems and applications. Storage networks can be of various sizes, shapes, and technologies. This book shows you how to implement a resilient storage network infrastructure using different technologies including ATM, DWDM, FCIP, Fibre Channel, FICON, iFCP, InfiniBand, IP, iSCSI, Life Cycle Management, NAS, Object Based Storage, RAID, RDMA, Remote Mirroring, Replication, SAN, SCSI, SMI-S, SONET/SDH, Storage Services, Tape, Virtualization, and Volume Managers. \*Important information is clarified and put into context to separate myths and realities \*Covers storage networking technologies (hardware, software, networks) and practices \*Numerous tips and recommendations allow the reader to quickly understand best practices \*Checklists, templates and examples show potential solutions

**Introduction to Storage Area Networks** FUNDAMENTALS OF OPEN SOURCE SOFTWARE

This comprehensive exam guide offers 100% coverage of every topic on the CompTIA PenTest+ exam Get complete coverage of all the objectives included on the CompTIA PenTest+ certification exam PT0-001 from this comprehensive resource. Written by an expert penetration tester, the book provides learning objectives at the beginning of each chapter, hands-on exercises, exam tips, and practice questions with in-depth answer explanations. Designed to help you pass the exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam topics, including: •Pre-engagement activities •Getting to know your targets •Network scanning and enumeration •Vulnerability scanning and analysis •Mobile device and application testing •Social engineering •Network-based attacks •Wireless and RF attacks •Web and database attacks •Attacking local operating systems •Physical penetration testing •Writing the pen test report •And more Online content includes: •Interactive performance-based questions •Test engine that provides full-length practice exams or customized quizzes by chapter or by exam domain

**VMware vRealize Configuration Manager Cookbook** IBM Redbooks

Continuing its commitment to developing and delivering industry-leading storage technologies, IBM® introduces Data Reduction Pools (DRP) and Deduplication powered by IBM Spectrum™ Virtualize, which are innovative storage features that deliver essential storage efficiency technologies and exceptional ease of use and performance, all integrated into a proven design. This book discusses Data Reduction Pools (DRP) and Deduplication and is intended for experienced storage administrators who are fully familiar with IBM Spectrum Virtualize, SAN Volume Controller, and the Storwize family of products.

**Exam Ref 70-410 Installing and Configuring Windows Server 2012 R2 (MCSA)** CRC Press

Used by candidates for the CNA for NetWare 5 and CNE for NetWare 5 certifications, this guide covers the whole CNA course and three required parts of the CNE.

Packt Publishing Ltd

Understand and implement VMware Virtual SAN: the heart of tomorrow's Software-Defined Datacenter (SDDC) VMware's breakthrough Software-Defined Datacenter (SDDC) initiative can help you virtualize your entire datacenter: compute, storage, networks, and associated services. Central to SDDC is VMware Virtual SAN (VSAN): a fully distributed storage architecture seamlessly integrated into the hypervisor and capable of scaling to meet any enterprise storage requirement. Now, the leaders of VMware's wildly popular Virtual SAN previews have written the first authoritative guide to this pivotal technology. You'll learn what Virtual SAN is, exactly what it offers, how to implement it, and how to maximize its value. Writing for administrators, consultants, and architects, Cormac Hogan and Duncan Epping show how Virtual SAN implements both object-based storage and a policy platform that simplifies VM storage placement. You'll learn how Virtual SAN and vSphere work together to dramatically improve resiliency, scale-out storage functionality, and control over QoS. Both an up-to-the-minute reference and hands-on tutorial, Essential Virtual SAN uses realistic examples to demonstrate Virtual SAN's most powerful capabilities. You'll learn how to plan, architect, and deploy Virtual SAN successfully, avoid gotchas, and troubleshoot problems once you're up and running. Coverage includes Understanding the key goals and concepts of Software-Defined Storage and Virtual SAN technology Meeting physical and virtual requirements for safe Virtual SAN implementation Installing and configuring Virtual SAN for your unique environment Using Storage Policy Based Management to control availability, performance, and reliability Simplifying deployment with VM Storage Policies Discovering key Virtual SAN architectural details: caching I/O, VASA, witnesses, pass-through RAID, and more Ensuring efficient day-to-day Virtual SAN management and maintenance Interoperating with other VMware features and products Designing and sizing Virtual SAN clusters Troubleshooting, monitoring, and performance optimization