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Nutanix Backup And Replication Best Practices With Veeam

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SALAZAR COLLIER

Habit Stacking Packt Publishing Ltd
MACHINE LEARNING TECHNIQUES AND ANALYTICS FOR CLOUD SECURITY This book covers new methods, surveys, case studies, and policy with almost all machine learning techniques and analytics for cloud security solutions The aim of Machine Learning Techniques and Analytics for Cloud Security is to integrate machine learning approaches to meet various analytical issues in cloud security. Cloud security with ML has long-standing challenges that require methodological and theoretical handling. The conventional cryptography approach is less applied in resource-constrained devices. To solve these issues, the machine learning approach may be effectively used in providing security to the vast growing cloud environment. Machine learning algorithms can also be used to meet various cloud security issues, such as effective intrusion detection systems, zero-knowledge authentication systems, measures for passive attacks, protocols design, privacy system designs, applications, and many more. The book also contains case studies/projects outlining how to implement various security features using machine learning algorithms and analytics on existing cloud-based products in public, private and hybrid cloud respectively. Audience Research scholars and industry engineers in computer sciences, electrical and electronics engineering, machine learning, computer security, information technology, and cryptography.

NIST SP 800-88 R1 - Guidelines for Media Sanitization Packt Publishing Ltd
 Prepare to succeed at your VCDX panel defense and gain world-class knowledge for designing complex VMware environments VMware Certified Design Expert (VCDX) is the highest level of VMware certification, achieved by dedicated professionals who have demonstrated exceptional skill in VMware enterprise deployments. To earn a VCDX, professionals must create a complete enterprise VMware design and undergo an arduous defense at the hands of some of the world's most sophisticated VMware experts. Now, for the first time, there's a comprehensive guide to VCDX defense: VCDX Boot Camp. Based on the legendary standing-room-only boot camps led by VCDX co-creator John Arrasjid, this guide captures the unsurpassed personal experience of three pioneering VCDX certification holders, program developers, and defense panelists. John Arrasjid, Ben Lin, and Mostafa Khalil cover everything you need to know to prepare for certification. They demystify the entire VCDX defense process, clearly explain its format and prerequisites, and offer indispensable tips for maximizing your likelihood of success. Detailed chapters on both design and troubleshooting offer four complete scenarios explaining exactly what VCDX panelists will expect from your defense. Learn how to think like a VCDX, discovering powerful insights and best practices for designing your own world-class virtualized environment. Coverage includes * Authoritative preparation guidance (including expert insights into scheduling your preparation and defense) * Tips for conducting mock defenses, boot camps, and study sessions with your colleagues * How to select, create, and document a superior, defensible design * How to make design choices and incorporate design patterns that support the VCDX blueprint * How to confidently defend your skills in architecture, designing new solutions, and troubleshooting design or implementation flaws * Proven tips for responding to tough questions from panelists * Detailed example defenses of designs incorporating VCDX-DCV, VCDX-Cloud, and VCDX-DT vmwarepress.com vmware.com/go/vcdx
Peer-to-Peer Systems Cisco Press

Over 100 recipes to design and implement a highly available server with the advanced features of PostgreSQL 9.4,9.5 and 9.6About This Book* Create a PostgreSQL cluster that stays online even when disaster strikes* Avoid costly downtime and data loss that can ruin your business* Updated to include the newest features introduced in PostgreSQL 9.6 with hands-on industry-driven recipesWho This Book Is ForIf you are a PostgreSQL DBA working on Linux systems who want a database that

never gives up, this book is for you. If you've ever experienced a database outage, restored from a backup, spent hours trying to repair a malfunctioning cluster, or simply want to guarantee system stability, this book is definitely for you.What you will learn* Protect your data with PostgreSQL replication and management tools such as Slony, Bucardo, pglogical, and WAL-E* Hardware planning to help your database run efficiently* Prepare for catastrophes and prevent them before they happen* Reduce database resource contention with connection pooling using pgpool and PgBouncer* Automate monitoring and alerts to visualize cluster activity using Nagios and collected* Construct a robust software stack that can detect and fix outages* Learn simple PostgreSQL High Availability with Patroni, or dive into the full power of Pacemaker.In DetailDatabases are nothing without the data they store. In the event of a failure - catastrophic or otherwise - immediate recovery is essential. By carefully combining multiple servers, it's even possible to hide the fact a failure occurred at all.From hardware selection to software stacks and horizontal scalability, this book will help you build a versatile PostgreSQL cluster that will survive crashes, resist data corruption, and grow smoothly with customer demand. It all begins with hardware selection for the skeleton of an efficient PostgreSQL database cluster. Then it's on to preventing downtime as well as troubleshooting some real life problems that administrators commonly face. Next, we add database monitoring to the stack, using collectd, Nagios, and Graphite. And no stack is complete without replication using multiple internal and external tools, including the newly released pglogical extension. Pacemaker or Raft consensus tools are the final piece to grant the cluster the ability to heal itself. We even round off by tackling the complex problem of data scalability.This book exploits many new features introduced in PostgreSQL 9.6 to make the database more efficient and adaptive, and most importantly, keep it running.

Rise of the Data Cloud Createspace Independent Publishing Platform

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.

Inside Citrix John Wiley & Sons

VMware's vSAN has rapidly proven itself in environments ranging from hospitals to oil rigs to e-commerce platforms and is one of the top three players in the hyperconverged space. Along the way, it has matured to offer unsurpassed features for data integrity, availability, and space efficiency. vSAN 6.7 U1 has radically simplified IT operations and supports the transition to hyperconverged infrastructures (HCI). The authors of the vSAN Deep Dive have thoroughly updated their definitive guide to this transformative technology. Writing for vSphere administrators, architects, and consultants, Cormac Hogan, and Duncan Epping explain what vSAN is, how it has

evolved, what it now offers, and how to gain maximum value from it. The book offers expert insight into preparation, installation, configuration, policies, provisioning, clusters, architecture, and more. You'll also find practical guidance for using all data services, stretched clusters, and two node configurations. This book is part of the Deep Dive series. Combine this book with the vSphere 6.5 Host Deep Dive, and the vSphere 6.7 Clustering Deep Dive, and you have an in-depth and comprehensive set of books that deliver the information you need to design and administer both vSphere and vSAN in the enterprise. Often referred to in the virtual community as the vSphere Resource kit, the Host Resource Deep Dive zooms in on hardware resources such as CPU and Memory and covers how the vSphere resource scheduler manages these. The vSAN Deep Dive discusses how to leverage local storage devices to create a shared storage platform and the Clustering Deep Dive builds on top of that and zooms in how a group of ESXi hosts work together and provide compute clustering services. Buy all three and become your organizations' private cloud superhero!

Sharepoint 2010 Createspace Independent Publishing Platform

Drive Even More Value from Virtualization: Write VMware® Applications that Automate Virtual Infrastructure Management Companies running VMware have already achieved enormous gains through virtualization. The next wave of benefits will come when they reduce the time and effort required to run and manage VMware platforms. The VMware Infrastructure Software Development Kit (VI SDK) includes application programming interfaces (APIs) that allow developers and administrators to do just that. Until now, there has been little documentation for the APIs. In VMware VI and vSphere SDK, software architect Steve Jin demystifies the entire VMware VI and new vSphere SDK and offers detailed, task-based coverage of using the APIs to manage VMware more efficiently and cost-effectively. Jin walks you through using the VI SDK and cloud-computing vSphere SDK to manage ESX servers, ESX clusters, and VirtualCenter servers in any environment—no matter how complex. Drawing on his extensive expertise working with VMware strategic partners and enterprise customers, he places the VI SDK in practical context, presenting realistic samples and proven best practices for building robust, effective solutions. Jin demonstrates how to manage every facet of a VMware environment, including inventory, host systems, virtual machines (VMs), snapshots, VMotion, clusters, resource pools, networking, storage, data stores, events, alarms, users, security, licenses, and scheduled tasks. Coverage includes Understanding how the VI SDK fits into your VMware VI and Cloud Ready vSphere Environment Discovering the VI and vSphere SDK from the bottom up Using the author's new VI Java API to write shorter, faster, and more maintainable code Managing VI and vSphere inventory and configurations Moving running VMs and storages across different physical platforms without disruption Optimizing system resources, hardening system securities, backing up VMs and other resources Leveraging events, alarms, and scheduled tasks to automate the system management Developing powerful applications that integrate multiple API features and run on top of or alongside VMware platforms Using the VI SDK to monitor performance Scripting with the VI SDK: building solutions with VI Perl, PowerShell, and Jython Avoiding the pitfalls that trip up VMware VI developers Integrating with and extending VMware platforms using VI SDK This book is an indispensable resource for all VMware developers and administrators who want to get more done in less time; for hardware vendors who want to integrate their products with VMware; for ISV developers building new VMware applications; and for every professional and student seeking a deeper mastery of virtualization.

Best Practice Disaster Recovery Platform Virtualisasi VMware vSphere dengan Veeam dan Nakivo "O'Reilly Media, Inc."

Dengan Virtualisasi, semua aset dalam infrastruktur IT anda semakin efisien karena dengan virtualisasi anda juga dapat menjalankan beberapa sistem operasi dalam satu komputer. Jumlah server yang sedikit namun mendapatkan produktifitas yang jauh lebih tinggi, cepat dan mudah dalam melakukan manajemen IT & mudah didalam melakukan pemeliharaan. Menjawab kebutuhan dalam meningkatkan High Availability Server System dan Database Server dengan platform Virtualisasi / Cloud Technology bagi anda pecinta IT pada umumnya dan bagi IT Perusahaan pada khususnya, maka buku ini akan mampu memberikan jawaban mengenai Virtualisasi. Buku ini adalah step by step bagaimana membangun & mengoptimalkan Server System dalam konteks Virtualisasi untuk membangun High Availability Server System sehingga kita dapat mencapai Zero Downtime Server System agar Bisnis Proses perusahaan tidak sampai terganggu jika server mengalami Down. Dalam buku ini juga anda akan dipandu dalam membangun Disaster Recovery dalam lingkungan Virtualisasi VMware dengan metode Backup Replication. Metode ini telah digunakan penulis dalam implementasi DRC on Virtualization pada Project Pemkot Surabaya dan sejumlah Big Project lainnya. Semoga dengan buku ini dapat memperluas wawasan kita semua pada bidang Virtualisasi pada khususnya dan Teknologi Informasi pada umumnya.

IBM System Storage DS3500 Introduction and Implementation Guide Packt Publishing Ltd

SharePoint 2010 is among the many cutting-edge applications to be found within Microsoft's Office Suite software--our newest 3-panel guide will help you get the most out of this handy tool. The fluff-free content includes important definitions, tips, and step-by-step instructions on how to perform each key function within SharePoint; full-color screen shots are also provided for ease of use.

Information Storage and Management VMware Press

The new edition of a bestseller, now revised and update throughout! This new edition of the unparalleled bestseller serves as a full training course all in one and as the world's largest data storage company, EMC is the ideal author for such a critical resource. They cover the components of a storage system and the different storage system models while also offering essential new material that explores the advances in existing technologies and the emergence of the "Cloud" as well as updates and vital information on new technologies. Features a separate section on emerging area of cloud computing Covers new technologies such as: data de-duplication, unified storage, continuous data protection technology, virtual provisioning, FCoE, flash drives, storage tiering, big data, and more Details storage models such as Network Attached Storage (NAS), Storage Area Network (SAN), Object Based Storage along with virtualization at various infrastructure components Explores Business Continuity and Security in physical and virtualized environment Includes an enhanced Appendix for additional information This authoritative guide is essential for getting up to speed on the newest advances in information storage and management.

SQL Server Query Performance Tuning John Wiley & Sons

The Mexican American woman zoot suiter, or pachuca, often wore a V-neck sweater or a long, broad-shouldered coat, a knee-length pleated skirt, fishnet stockings or bobby socks, platform heels or saddle shoes, dark lipstick, and a bouffant. Or she donned the same style of zoot suit that her male counterparts wore. With their striking attire, pachucos and pachucas represented a new generation of Mexican American youth, which arrived on the public scene in the 1940s. Yet while pachucos have often been the subject of literature, visual art, and scholarship, *The Woman in the Zoot Suit* is the first book focused on pachucas. Two events in wartime Los Angeles thrust young Mexican American zoot suiters into the media spotlight. In the Sleepy Lagoon incident, a man was murdered during a mass brawl in August 1942. Twenty-two young men, all but one of Mexican descent, were tried and convicted of the crime. In the Zoot Suit Riots of June 1943, white servicemen attacked young zoot suiters, particularly Mexican Americans, throughout Los Angeles. The Chicano movement of the 1960s–1980s cast these events as key moments in the political awakening of Mexican Americans

and pachucos as exemplars of Chicano identity, resistance, and style. While pachucas and other Mexican American women figured in the two incidents, they were barely acknowledged in later Chicano movement narratives. Catherine S. Ramírez draws on interviews she conducted with Mexican American women who came of age in Los Angeles in the late 1930s, 1940s, and 1950s as she recovers the neglected stories of pachucas. Investigating their relative absence in scholarly and artistic works, she argues that both wartime U.S. culture and the Chicano movement rejected pachucas because they threatened traditional gender roles. Ramírez reveals how pachucas challenged dominant notions of Mexican American and Chicano identity, how feminists have reinterpreted la pachuca, and how attention to an overlooked figure can disclose much about history making, nationalism, and resistant identities.

Data Storage Networking Packt Publishing Ltd

In Habit stacking you will discover 127 small habits that can instantly improve your life.

PostgreSQL High Availability Cookbook - Second Edition AuthorHouse

Design, build, and protect your clusters with ease with VxRail, Dell's hyper-converged infrastructure solution, and this comprehensive in-depth guide Key FeaturesCombine your virtualization systems into one with this comprehensive guide to VxRailProtect against data loss with a variety of backup, replication, and recovery optionsTake your virtualization skills to the next level thanks to Dell's hyper-converged infrastructureBook Description Virtualized systems are well established now, and their disparate components can be found bundled together in hyper-converged infrastructures, such as VxRail from Dell EMC. Dell VxRail System Design and Best Practices will take you, as a system architect or administrator, through the process of designing and protecting VxRail systems. While this book assumes a certain level of knowledge of VMware, vSphere 7.x, and vCenter Server, you'll get a thorough overview of VxRail's components, features, and architecture, as well as a breakdown of the benefits of this hyper-converged system. This guide will give you an in-depth understanding of VxRail, as well as plenty of practical examples and self-assessment questions along the way to help you plan and design every core component of a VxRail system - from vSAN storage policies to cluster expansion. It's no good having a great system if you lose everything when it breaks, so you'll spend some time examining advanced recovery options, such as VMware Site Recovery Manager and Veeam Backup and Replication. By the end of this book, you will have got to grips with Dell's hyper-converged VxRail offering, taking your virtualization proficiency to the next level. What you will learnDesign vSAN storage policiesScale-out and expand clustersDesign stretched clustersProtect your system with VMware Site Recovery ManagerDiscover how to configure EMC RecoverPoint for Virtual MachinesIntegrate Veeam Backup and Replication with VxRailSet up a vSAN 2-node clusterWho this book is for This book is for system architects, system administrators, or consultants involved in planning and designing VxRail HCI. The reader is expected to have equivalent knowledge and administration experience with VMware vSphere 7. x and vCenter Server 7.x.

Best Practices Guide for Databases on IBM FlashSystem Pearson Education

Protect your cloud, virtual, and on-premises environments by implementing Veeam's powerful backup and replication technology Key FeaturesGain in-depth knowledge of CDP and hardened repositories that you can use in your virtual environmentExplore Veeam's monitoring and reporting utility - Veeam ONE - along with Linux proxy enhancementsWork with the new Veeam Disaster Recovery Orchestrator (Orchestrator) for testing failovers and backupsBook Description Veeam is one of the leading modern data protection solutions, making it a necessary skill for anyone responsible for securing virtual environments. This revised second edition of *Mastering Veeam Backup & Replication* is updated to cover Veeam version 11. The book guides you through implementing modern data protection solutions for your cloud and virtual infrastructure with Veeam, all while helping you master advanced concepts such as Continuous Data Protection (CDP), extended object storage support, Veeam ONE enhancements, and Orchestrator. Starting with Veeam essentials, including installation, best practices, and optimizations for Veeam Backup & Replication, you'll get to grips with the 3-2-1-1-0 rule to safeguard data. You'll understand how to set up a backup server, proxies, repositories, and more and then advance to cover a powerful feature of Veeam 11 - CDP. As you progress, you'll learn about immutability (also known as hardened repositories) and discover the best practices for creating them. Finally, you'll explore the new proxy option available in Linux and become well-versed with advanced topics such as extended object storage support, Veeam ONE enhancements, and Orchestrator. By the end of this Veeam book, you'll be able to implement Veeam Backup & Replication for securing your environment and enabling disaster recovery. What you will learnDiscover the advanced concepts of Veeam Backup & Replication 11Master application optimization based on Veeam best practicesGet to grips with configuring CDP and working with repositories and proxiesExplore ways to protect your backups with immutable hardened repositoriesUnderstand the enhancements to backups, instant recovery, and Linux proxiesExplore Veeam ONE enhancementsBecome well-versed in using Veeam Disaster Recovery OrchestratorWho this book is for This Veeam backup book is for IT professionals who have intermediate to advanced-level knowledge of virtualization as well as backups and backup applications. Anyone who needs a reference guide for learning the advanced features of Veeam Backup & Replication and how they are used, including best practices and optimizations, will also find this book useful.

Vmware Vsan 6.7 U1 Deep Dive Harvard Business Review Press

Protect your cloud, virtual, and on-premises environments by implementing Veeam's powerful backup and replication technology Purchase of the print or Kindle book includes a free PDF eBook Key Features Gain in-depth knowledge of core architecture changes including PostgreSQL Work with VeeamMover and understand how it can help manage backups and SOBRs Explore Object Storage - Direct to Object - ability to add Object Storage as your primary repository Book Description Veeam is one of the leading modern data protection solutions, making it a necessary skill for anyone responsible for backing up virtual environments. This new edition of *Mastering Veeam Backup & Replication* is revised and updated to cover Veeam version 12. This edition covers some new features added to the application, such as VeeamMover, Per Machine Backup chains, and MFA on the console. The book guides you through implementing modern data protection solutions for your cloud and virtual infrastructure with Veeam while helping you master advanced concepts such as Continuous Data Protection (CDP), extended object storage support, VeeamMover, and security settings. You'll dive deep into other new features as well, such as Direct to Object storage, Object to Tape and learn about CDP from a service provider perspective with Veeam Cloud Connect (VCC). By the end of this Veeam book, you'll be able to successfully implement Veeam Backup & Replication to secure your environment and enable disaster recovery. What you will learn Understand installing and upgrading Veeam to v12 Master the ability to use PostgreSQL for databases Explore SOBR - Direct to Object storage in performance tier Explore enhanced security, including MFA and Auto-Logoff Understand NAS Backup with Immutability Support Discover how GDP to vCD works for Cloud Connect Learn how to get instant VM Recovery on VCC Who this book is for This book is for backup administrators or cloud disaster architects looking to gain expertise in all things Veeam. This book is also for IT professionals who have intermediate to advanced-level knowledge of virtualization as well as backups and backup applications. Anyone who needs a reference guide for learning the advanced and latest features of Veeam 12 will find this book useful.

Dell VxRail System Design and Best Practices Packt Publishing Ltd

This book is a programmer's guide and comprehensive reference to the core JavaScript language and to the client-side JavaScript APIs defined by web browsers.

VCDX Boot Camp Independently Published

Learn how to virtualize your network and discover the full potential of a Software Defined Data Center. A smarter way to use network resources begins here About This Book Experience the dynamism and flexibility of a virtualized software defined data center with NSX Find out how to design your network infrastructure based on what your organization needs From security to automation, discover how NSX's impressive range of features can unlock a more effective and intelligent approach to system administration Who This Book Is For If you're a network administrator and want a simple but powerful solution to your network virtualization headaches, look no further than this fast-paced, practical guide. What You Will Learn Deep dive into NSX-v Manager, Controller deployment, and design decisions Get to know the strategies needed to make decisions on each mode of VXLAN that is based on physical network design Deploy Edge Gateway and leverage all the gateway features and design decisions Get to grips with NSX-v Security features and automate security Leverage Cross VC, identify the benefits, and work through a few deployment scenarios Troubleshoot an NSX-v to isolate problems and identify solutions through a step-by-step process In Detail VMware NSX is at the forefront of the software-defined networking revolution. It makes it even easier for organizations to unlock the full benefits of a software-defined data center - scalability, flexibility - while adding in vital security and automation features to keep any sysadmin happy. Software alone won't power your business - with NSX you can use it more effectively than ever before, optimizing your resources and reducing costs. Getting started should be easy - this guide makes sure it is. It takes you through the core components of NSX, demonstrating how to set it up, customize it within your current network architecture. You'll learn the principles of effective design, as well as some things you may need to take into consideration when you're creating your virtual networks. We'll also show you how to construct and maintain virtual networks, and how to deal with any tricky situations and failures. By the end, you'll be confident you can deliver, scale and secure an exemplary virtualized network with NSX. Style and approach This book provides you with an introduction to software-defined networking with VMware NSX. Focusing on the most essential elements, so you can put your knowledge into practice quickly, it's a guide dedicated to anyone who understands that sometimes real-world problems require virtualized solutions.

JavaScript: The Definitive Guide Packt Publishing Ltd

Explore the benefits of VMware vSphere 6.7 to provide a powerful, flexible, and secure virtual infrastructure, and secure apps. Next, you'll pick up on how to enhance your infrastructure with high-performance storage access, such as remote direct memory access (RDMA) and Persistent Key Features Design, deploy and manage VMware vSphere virtual data centers Implement monitoring and security of VMware workloads with ease Explore tips and techniques for designing a robust virtual infrastructure Book Description vSphere 6.7 is the latest release of VMware's industry-leading virtual cloud platform. By understanding how to manage, secure, and scale apps with vSphere 6.7, you can easily run even the most demanding of workloads. This Learning Path begins with an overview of the features of the vSphere 6.7 suite. You'll learn how to plan and design a virtual infrastructure. You'll also gain insights into best practices to efficiently configure, manage, and secure apps. Next, you'll pick up on how to enhance your infrastructure with high-performance storage access, such as remote direct memory access (RDMA) and Persistent memory. The book will even guide you in securing your network with security features, such as encrypted vMotion and VM-level encryption. Finally, by learning how to apply Proactive High Availability and Predictive Distributed Resource Scheduler (DRS), you'll be able to achieve enhanced computing, storage, network, and management capabilities for your virtual data center. By the end of this Learning Path, you'll be able to build your own VMware vSphere lab that can run high workloads. This Learning Path includes content from the following Packt products: *VMware vSphere 6.7 Data Center Design Cookbook - Third Edition* by Mike Brown and Hersey Cartwright *Mastering VMware vSphere 6.7 - Second Edition* by Martin Gavanda, Andrea Mauro, Karel Novak, and Paolo Valsecchi What you will learn Understand how to patch, upgrade, and manage a virtual environment with vSphere 6.7 Identify key factors related to a vSphere design Mitigate security risks and meet compliance requirements in a vSphere design Create a vSphere conceptual design by identifying technical and business requirements Map the logical resource design into the physical vSphere design Create professional vSphere design documentation Who this book is for This Learning Path is for administrators, infrastructure engineers, consultants, and architects who want to design virtualized data center environments using VMware vSphere 6.x (or previous versions of vSphere and the supporting components). Basic knowledge of VMware vSphere is required to get the most out of this Learning Path.

VMware Performance and Capacity Management Duke University Press

Is this finally the year of the Virtual Desktop Infrastructure (VDI)? There doesn't seem to be a straight answer to that question. A VDI can be designed to work perfectly in your environment, but could also be a big pain in the butt. This guide will help you design a VMware Horizon VDI, based on the VMware Certified Design Expert (VCDX) methodology. It will help you understand what steps

need to be taken to bring a project to a successful result. It contains examples of real-world design projects, requirements & constraints which will help you make the right decision in a great variety of scenarios. As sizing does matter, you will also be guided through the complete sizing process. Other topics that will be covered: Windows 10, multi-site architectures, NSX, vSAN, profile strategies, application delivery strategies, assessments, monitoring, security, GPUs, and remote protocols. *Real Business of IT* Pearson Education

The one-stop guide to modern networking for every VMware® administrator, engineer, and architect Now that virtualization has blurred the lines between networking and servers, many VMware specialists need a stronger understanding of networks than they may have gained in earlier IT roles. *Networking for VMware Administrators* fills this crucial knowledge gap. Writing for VMware professionals, Christopher Wahl and Steve Pantol illuminate the core concepts of modern networking, and show how to apply them in designing, configuring, and troubleshooting any virtualized network environment. Drawing on their extensive experience with a wide range of virtual network environments, the authors address physical networking, switching, storage networking, and several leading virtualization scenarios, including converged infrastructure. Teaching through relevant examples, they focus on foundational concepts and features that will be valuable for years to come. To support rapid learning and mastery, they present clear learning objectives, questions, problems, a complete glossary, and extensive up-to-date references. Coverage includes: • The absolute basics: network models, layers, and interfaces, and why they matter • Building networks that are less complex, more modular, and fully interoperable • Improving your virtual network stack: tips, tricks, and techniques for avoiding common pitfalls • Collaborating more effectively with network and storage professionals • Understanding Ethernet, Advanced Layer 2, Layer 3, and modern converged infrastructure • Mastering virtual switching and understanding how it differs from physical switching • Designing and operating vSphere standard and distributed switching • Working with third-party switches, including Cisco Nexus 1000V • Creating powerful, resilient virtual networks to handle critical storage network traffic • Deploying rackmount servers with 1 Gb and 10 Gb Ethernet • Virtualizing blade servers with converged traffic and virtual NICs Christopher Wahl has acquired well over a decade of IT experience in enterprise infrastructure design, implementation, and administration. He has provided architectural and engineering expertise in a variety of virtualization, data center, and private cloud based engagements while working with high performance technical teams in tiered data center environments. He currently holds the title of Senior Technical Architect at Ahead, a consulting firm based out of Chicago. Steve Pantol has spent the last 14 years wearing various technical hats, with the last seven or so focused on assorted VMware technologies. He is a Senior Technical Architect at Ahead, working to build better datacenters and drive adoption of cloud technologies.

VMware NSX Network Essentials Packt Publishing Ltd

Deliver great business value by adopting the virtualization platform VMware vSphere 6.5, from the design to the deployment About This Book This new edition is based on vSphere 6.5 and has described new features in different areas, including management, security, scalability, availability and so on. Design, deploy and manage VMware datacenters Implement monitoring and security of VMware workloads with ease. Who This Book Is For If you are an administrator, infrastructure engineer, IT architect, or an IT consultant and analyst who has basic knowledge of VMware vSphere and now wants to master it, then this book is for you. What You Will Learn Get a deep understanding of vSphere 6.5 functionalities Design and plan a virtualization environment based on vSphere 6.5 Manage and administer a vSphere 6.5 environment and resources Get tips for the VCP6-DCV and VCIX6-DCV exams (along with use of the vSphere 6 documentation) Implement different migration techniques to move your workload across different environments. Save your configuration, data and workload from your virtual infrastructure. In Detail VMware vSphere 6.5 provides a powerful, flexible and secure foundation for next-generation applications which helps you create an effective digital transformation. This book will be based on VMware vSphere 6.5 which empowers you to virtualize any complex application with ease. You'll begin by getting an overview of all the products, solutions and features of the vSphere 6.5 suite, comparing the evolutions with the previous releases. Next ,you'll design and plan a virtualization infrastructure to drive planning and performance analysis. Following this , you will be proceeding with workflow and installation of components. New network trends are also covered which will help you in optimally designing the vSphere environment. You will also learn the practices and procedures involved in configuring and managing virtual machines in a vSphere infrastructure. With vSphere 6.5, you'll make use of significantly more powerful capabilities for patching, upgrading, and managing the configuration of the virtual environment. Next we'll focus on specific availability and resiliency solutions in vSphere. Towards the end of the book you will get information on how to save your configuration, data and workload from your virtual infrastructure. By the end of the book you'll learn about VMware vSphere 6.5 right from design to deployment and management. Style and Approach This book acts as a reference guide providing real-world scenarios and a possible baseline for each virtualization project based on VMware vSphere.

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