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**Certification Guide
(Covering the VCP550
Exam) VMware vSphere 6.7
Cookbook - Fourth Edition
VMware vSphere 5.1
Cookbook VMware Vcp5-DCV
Study Guide **VCDX Boot
Camp VMware vSphere
Troubleshooting
Configuring VMware Virtual
Volumes for Systems
Powered by IBM Spectrum
Virtualize Mastering
VMware vSphere 6.5** *VMware
vSphere 5.5 Cookbook*
VMware vSphere Design**

Mastering VMware vSphere 6.7
Jan 27 2021 Unleash the
benefits of VMware vSphere
6.7 to provide a powerful,
flexible and secure digital

infrastructure Key
Features Deep dive into areas
like management, security,
scalability, availability and
more with vSphere 6.7 Design,
deploy and manage VMware
vSphere virtual
datacenters Implement
monitoring and security of
VMware workloads with
ease Book Description vSphere
6.7 is the latest release of
VMware's industry-leading,
virtual cloud platform. It allows
organisations to move to hybrid
cloud computing by enabling
them to run, manage, connect
and secure applications in a
common operating
environment. This up-to-date,
2nd edition provides complete
coverage of vSphere 6.7.

Complete with step-by-step
explanations of essential
concepts, practical examples
and self-assessment questions,
you will begin with an overview
of the products, solutions and
features of the vSphere 6.7
suite. You'll learn how to
design and plan a virtual
infrastructure and look at the
workflow and installation of
components. You'll gain insight
into best practice
configuration, management
and security. By the end the
book you'll be able to build
your own VMware vSphere lab
that can run even the most
demanding of workloads. What
you will learn Explore the
immense functionality of
vSphere 6.7 Design, manage

and administer a virtualization environment. Get tips for the VCP6-DCV and VCIX6-DCV exams. Understand how to implement different migration techniques across different environments. Explore vSphere 6.7's powerful capabilities for patching, upgrading and managing the configuration of virtual environments. Understand core vSphere components. Master resource management, disaster recovery, troubleshooting, monitoring and security. Who this book is for: This book is for Administrators, Infrastructure Engineers, Architects, and Consultants with basic knowledge of VMware vSphere.

Data Center Virtualization

Certification: VCP6.5-DCV Exam Guide Jul 13 2022
Deploy and configure vSphere infrastructure and learn to effectively create and administer vSphere virtual machines. Key Features
Implement advanced network virtualization techniques
Configure and administer vSphere high availability
Enhance your data center virtualization skills with practice questions and mock tests
Book Description This exam guide enables you to install, configure, and manage the vSphere 6.5 infrastructure in all its components: vCenter Server, ESXi hosts, and virtual machines, while helping you to prepare for the industry

standard certification. This data center book will assist you in automating administration tasks and enhancing your environment's capabilities. You will begin with an introduction to all aspects related to security, networking, and storage in vSphere 6.5. Next, you will learn about resource management and understand how to back up and restore the vSphere 6.5 infrastructure. As you advance, you will also cover troubleshooting, deployment, availability, and virtual machine management. This is followed by two mock tests that will test your knowledge and challenge your understanding of all the topics included in the exam. By the

end of this book, you will not only have learned about virtualization and its techniques, but you'll also be prepared to pass the VCP6.5-DCV (2V0-622) exam. What you will learn Deploy and configure vSphere infrastructure Create and administer vSphere virtual machines Optimize, secure, and troubleshoot all vSphere components Implement vSphere HA on a vSAN cluster Understand how to back up and restore your vSphere 6.5 infrastructure Test your understanding of key concepts required through sample questions Who this book is for If you are interested in achieving Data Center Virtualization certification, this

is the book is for you. You will also benefit from this book if you are a system administrator or network engineer. Some prior knowledge of virtualization can assist you in understanding key concepts covered in the book. Vmware Vcp5-DCV Study Guide Apr 17 2020 This book was written to help you in preparation for the VCP5-DCV (VMware Certified Professional - Data Center Virtualization) certification. VCP5-DCV is a certification from VMware that deals with data center virtualization. This certification confirms that you have the education needed to successfully install, manage, and deploy VMware vSphere

environments. You will learn how to set up your own virtual infrastructure using VMware vSphere. You will learn how to deploy a virtual machine on ESXi, how to set up a virtual network, migrate virtual machines using vMotion, set up Fault Tolerance, create VMFS datastores, capture VM snapshots... We will cover everything you need to pass the VMware VCP550 exam. Here is a list of topics covered in this book: Chapter 1 - vSphere overview - what is VMware vSphere, why use virtualization, CPU and memory virtualization explained. Chapter 2 - Getting started - what is VMware ESXi, how to install ESXi, GUIs in

vSphere, install vCenter Server Appliance. Chapter 3 - vCenter SSO and vCenter Inventory - vCenter SSO explained, connect vCenter Server and Active Directory. Chapter 4 - Virtual machines - what is a virtual machine, types of virtual disks, how to create VMs and install a guest OS. Chapter 5 - Virtual networks - virtual switch explained, create standard virtual switches, configure traffic shaping policies. Chapter 6 - Storage - storage technologies for ESXi, what is a datastore, Raw Device Mapping. Chapter 7 - iSCSI - iSCSI SAN components, iSCSI target discovery, configure iSCSI software initiator. Chapter 8 - NFS -

what is NFS, NFS components, configure NFS datastore. Chapter 9 - Fibre Channel - what is FC, FC components. Chapter 10 - Datastores - how to create and browse VMFS datastores, Virtual SAN. Chapter 11 - Templates - what is a VM template, how to create one and deploy VM from template. Chapter 12 - Edit VM settings - VM settings explained, add and remove virtual hardware, VMware Tools options. Chapter 13 - VM migration - what is VM migration, types of migration, vSphere vMotion, vSphere Storage vMotion. Chapter 14 - VM snapshots - what are VM snapshots, how to take them. Chapter 15 - vApps - what is

vApp, how to create vApp. Chapter 16 - Security - Security Profile services explained, configure ESXi firewall, users and groups, assign permissions. Chapter 17 - Manage resources - memory virtualization, shares and resource pools explained. Chapter 18 - Reporting - performance charts, monitor CPU, memory utilization, log levels. Chapter 19 - Alerts - alarms explained, actions and notifications. Chapter 20 - High Availability - vSphere HA explained, create clusters, Admission Control explained. Chapter 21 - Fault Tolerance - what is vSphere FT, FT requirements. Chapter 22 - Scalability - vSphere

Distributed Resource Scheduler (DRS) explained, DRS rules, maintenance mode explained.

Mastering VMware vSphere 5

Nov 17 2022

VCP-DCV Official Cert Guide

Jan 07 2022 VCP-DCV Official Cert Guide, Fourth Edition helps you systematically prepare for your VCP-DCV 2019 exam by mastering all key exam objectives associated with vSphere v.6.7. Thoroughly updated for VMware's 2019 exam changes, it offers an exceptionally well-organized and efficient test-preparation system based on proven series elements and techniques. Chapter-opening Do I Know This Already? quizzes help you

decide how much time you need to spend on each section, exam topic lists make referencing easy, and chapter-ending Exam Preparation Tasks help you drill on the key concepts you must know thoroughly. The companion website contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Leading VMware

consultants, trainers, and data center experts John A. Davis, Steve Baca, and Owen Thomas share preparation hints and test-taking tips, helping you identify areas of weakness and improve conceptual knowledge and hands-on skills. Material is presented concisely, focusing on promoting understanding and retention. Coverage includes: vSphere prerequisites Storage and network infrastructure (physical and virtual) vCenter Server features Clusters and virtual machines VMware product integration High availability solutions Securing vSphere Planning and performing vSphere installations Configuring vSphere (SSO and

Virtual Networking) Monitoring resources VM configuration and performance Managing networking, storage, security, clusters, resources, vCenter Server, and VMs Well regarded for its detail, assessment features, comprehensive scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time.

VMware vSphere 5.x

Datacenter Design Cookbook

Mar 09 2022 A practical guide packed with step-by-step recipes to design a virtual datacenter using VMware 5.x. This book is a guide for anyone

interested in designing virtualized datacenters using VMware vSphere 5.x and the supporting components. Current administrators of VMware vSphere environments will find this book useful when interested in becoming a vSphere Architect or are interested in learning more about the virtual datacenter design process. Knowledge of vSphere installation, configuration, and administration is a prerequisite.

VMware vSphere PowerCLI Reference Jul 01 2021 Master vSphere automation with this comprehensive reference VMware vSphere PowerCLI Reference, Automating

vSphere Administration, 2nd Edition is a one-stop solution for vSphere automation. Fully updated to align with the latest vSphere and PowerCLI release, this detailed guide shows you how to get the most out of PowerCLI's handy cmdlets using real-world examples and a practical, task-based approach. You'll learn how to store, access, update, back up, and secure massive amounts of data quickly through the power of virtualization automation, and you'll get acquainted with PowerCLI as you learn how to automate management, monitoring, and life-cycle operations for vSphere. Coverage includes areas like the PowerCLI SDK, SRM,

vCOPS, and vCloud Air. Plus guidance toward scheduling and viewing automation, using DevOps methodology and structured testing and source control of your PowerCLI scripts. Clear language and detailed explanations make this reference the manual you've been looking for. This book is your complete reference for managing vSphere in a Windows environment, with expert instruction and real-world application. Automate vCenter Server deployment and configuration Create and configure virtual machines, and utilize vApps Monitor, audit, and report the status of your vSphere environment Secure, back up, and restore your

virtual machines Work with other vSphere components from your PowerCLI scripts Take control of your PowerCLI scripts through versioning and structured testing Don't spend another day slogging through routine systems management — automate it, with this invaluable guide.

VMware Software-Defined Storage Aug 22 2020 The inside guide to the next generation of data storage technology VMware Software-Defined Storage, A Guide to the Policy Driven, Software-Defined Storage Era presents the most in-depth look at VMware's next-generation storage technology to help solutions architects and

operational teams maximize quality storage design. Written by a double VMware Certified Design Expert, this book delves into the design factors and capabilities of Virtual SAN and Virtual Volumes to provide a uniquely detailed examination of the software-defined storage model. Storage-as-a-Service (STaaS) is discussed in terms of deployment through VMware technology, with insight into the provisioning of storage resources and operational management, while legacy storage and storage protocol concepts provide context and demonstrate how Virtual SAN and Virtual Volumes are meeting traditional challenges. The discussion on architecture

emphasizes the economies of storage alongside specific design factors for next-generation VMware based storage solutions, and is followed by an example in which a solution is created based on the preferred option identified from a selection of cross-site design options. Storage hardware lifecycle management is an ongoing challenge for IT organizations and service providers. VMware is addressing these challenges through the software-defined storage model and Virtual SAN and Virtual Volumes technologies; this book provides unprecedented detail and expert guidance on the future of storage. Understand

the architectural design factors of VMware-based storage. Learn best practices for Virtual SAN stretched architecture implementation. Deploy STaaS through vRealize Automation and vRealize Orchestrator. Meet traditional storage challenges with next-generation storage technology. Virtual SAN and Virtual Volumes are leading the way in efficiency, automation, and simplification, while maintaining enterprise-class features and performance. As organizations around the world are looking to cut costs without sacrificing performance, availability, or scalability, VMware-based next-generation storage solutions are the ideal

platform for tomorrow's virtual infrastructure. VMware Software-Defined Storage provides detailed, practical guidance on the model that is set to transform all aspects of vSphere data center storage. [VMware vSphere PowerCLI Reference](#) Dec 06 2021 "VMware vSphere PowerCLI is a must-have tool for any administrator managing VMware vSphere in a Windows environment. Having to repeat vSphere administrative tasks can be time consuming and error-prone, but PowerCLI--created specifically for Windows environments--allows VMware administrators to automate tasks. Written to the latest PowerCLI, this handy

guide shows you step by step how to use the PowerCLI cmdlets for daily administration procedures and frequently performed tasks for VMware vSphere X. The reference is organized by vSphere tasks, providing a practical approach to accessing the information you need while you are on the job. Supported by real world examples and no-nonsense instruction, coverage includes installation, configuration, and management of a vSphere environment, management of the virtual machine life-cycle, security, and monitoring and reporting."

Linux in a Nutshell Oct 24 2020
Contains an introduction to the

operating system with detailed documentation on commands, utilities, programs, system configuration, and networking.

VMware vSphere

Troubleshooting Feb 14 2020

Gain expertise in troubleshooting most common issues to implement vSphere environments with ease About This Book Plan, analyze, and design effective solutions for your vSphere environment Troubleshoot problems related to vSphere performance Familiarize yourself with the advanced troubleshooting concepts and become an expert level administrator Who This Book Is For The book is intended for mid-level System Engineers and System

Integrators who want to learn VMware power tools to troubleshoot and manage the vSphere infrastructure. Good knowledge level and understanding of virtualization is expected. What You Will Learn Configure vSphere management assistant and troubleshooting tools Use troubleshooting tools to monitor performance and troubleshoot different issues Learn how to troubleshoot High Availability and other commonly known problems with clusters such as insufficient resources, failing heartbeats Use Direct Console User Interface (DCUI) to verify configuration Diagnose storage issues including iSCSI, NFS

and VMFS problems Manage vSphere Network Virtual and Distributed Switches, Trunks, VLANs Monitor and shape network traffic, configure routes and DNS Quickly resolve common day-to-day problems by analysing logs of VMware vSphere hosts and VMware vCenter Server Debug and resolve commonly known vSphere Cluster problems In Detail VMware vSphere is the leading server virtualization platform with consistent management for virtual data centers. It enhances troubleshooting skills to diagnose and resolve day to day problems in your VMware vSphere infrastructure environment. This book will

provide you practical hands-on knowledge of using different performance monitoring and troubleshooting tools to manage and troubleshoot the vSphere infrastructure. It begins by introducing systematic approach for troubleshooting different problems and show casing the troubleshooting techniques. You will be able to use the troubleshooting tools to monitor performance, and troubleshoot issues related to Hosts and Virtual Machines. Moving on, you will troubleshoot High Availability, storage I/O control problems, virtual LANS, and iSCSI, NFS, VMFS issues. By the end of this book, you will be able to

analyze and solve advanced issues related to vShpere environment such as vcenter certificates, database problems, and different failed state errors. Style and approach A step-by-step guide full of real world scenarios that will enhance advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere environment. Basic concepts of vSphere and the most common vSphere infrastructure problems are explained with practical solutions to resolve it. [Mastering VMware vSphere 4](#) Mar 29 2021 As part of the highly acclaimed Mastering series from Sybex, this book

offers a comprehensive look at VMware vSphere 4, how to implement it, and how to make the most of what it offers. Coverage Includes: Shows administrators how to use VMware to realize significant savings in hardware costs while still providing adequate "servers" for their users Demonstrates how to partition a physical server into several virtual machines, reducing the overall server footprint within the operations center Explains how VMware subsumes a network to centralize and simplify its management, thus alleviating the effects of "virtual server sprawl" Now that virtualization is a key cost-saving strategy, Mastering

VMware vSphere 4 is the strategic guide you need to maximize the opportunities. Mastering VMware vSphere 5.5 Aug 14 2022 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. The author team is led by Scott Lowe and Nick Marshall, well-known VMware experts and popular bloggers. Mastering VMware vSphere provides what every virtualization professional needs to know.

VCP5 VMware Certified Professional on vSphere 5 Study Guide Oct 04 2021 The VMware Certified Professional on vSphere 5—Datacenter Virtualization (VCP5-DCV) certification is the most desired certification for virtualization professionals, and this study guide covers all the

requirements for the exam. Skill in virtualization is a top priority for companies when hiring IT staff, and VMware skills are in high demand. Part of the highly acclaimed Sybex Study Guide series, this comprehensive book guides you through planning, installing, and upgrading ESXi; configuring networking, storage, and vCenter Server; deploying and managing virtual machines, and much more. Virtualization skills are in high demand by employers, and the VCP5-DCV certification enhances your marketability as an IT professional. This Sybex Study Guide helps prepare you to successfully complete all parts of the exam. Covers all

aspects of ESXi planning, installation, upgrading, configuration, troubleshooting, and alarm management. Includes 100% coverage of the exam objectives, real world scenarios, hands-on exercises, challenging review questions, bonus practice exams, and electronic flashcards. If you want the best preparation for the VCP5-DCV exam, this is the study guide you need.

Mastering VMware vSphere 6.5 Dec 14 2019 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.

VMware vSphere Design Dec 26 2020 Achieve the performance, scalability, and ROI your business needs What can you do at the start of a virtualization deployment to make things run more smoothly? If you plan, deploy, maintain, and optimize vSphere solutions in your company, this unique book provides keen insight and solutions. From hardware selection, network layout, and security considerations to storage and hypervisors, this book explains the design decisions you'll face and how to make the right choices. Written by two virtualization experts and packed with real-world strategies and examples,

VMware vSphere Design, Second Edition will help you design smart design decisions. Shows IT administrators how plan, deploy, maintain, and optimize vSphere virtualization solutions Explains the design decisions typically encountered at every step in the process and how to make the right choices Covers server hardware selection, network topology, security, storage, virtual machine design, and more Topics include ESXi hypervisors deployment, vSwitches versus dvSwitches, and FC, FCoE, iSCSI, or NFS storage Find out the "why" behind virtualization design decisions and make better choices, with VMware vSphere

Design, Second Edition, which has been fully updated for vSphere 5.x.

VMware vSphere Design Oct 12 2019 The only book focused on designing VMware vSphere implementations. VMware vSphere is the most widely deployed virtualization platform today. Considered the most robust and sophisticated hypervisor product, vSphere is the de facto standard for businesses, both large and small. This book is the only one of its kind to concisely explain how to execute a successful vSphere architecture, tailored to meet your company's needs. Expert authors share with you the factors that shape the design of a vSphere

implementation. Learn how to make the right design decisions for your environment. Explores the latest release of VMware vSphere Details the overall design process, server hardware selection, network layout, security considerations, storage infrastructure, virtual machine design, and more Debates the merits of Scaling Up servers versus Scaling Out, ESX versus ESXi hypervisor, vSwitches versus dvSwitches, and what the different storage protocols have to offer Illustrates the tools to monitor, to plan, to manage, to deploy and to secure your vSphere landscape Steps through the design decisions that a typical company may encounter, and

questions the choices made Packed with real-world proven strategies, VMware vSphere Design examines how the virtualization architecture for your company should ideally look—and how best to achieve it.

VMware Cookbook Dec 18 2022 If you want to gain insight into the real-world uses of VMware ESX and ESXi, this book provides scores of step-by-step solutions for working with these products in a wide range of network environments. You'll not only learn the basics -- how to pool resources from hardware servers, computer clusters, networks, and storage, and then distribute them among

virtual machines -- but also the stumbling blocks you'll encounter when you monitor systems, troubleshoot problems, and deal with security. In addition to the recipes, VMware Cookbook includes background information to help you determine your virtualization needs. You'll come to view VMware as part of the real environment, alongside operating systems, storage, and logical and physical network components. Follow best practices for installing VMware in your environment. Discover how to secure and monitor your network. Understand disk storage implementation and

configuration. Learn resource management using the distributed resource scheduler, shares, and resource pools. Configure logical and physical networks. Learn how to clone and migrate servers. Gain valuable tips for configuration and fine-tuning. Many resources can teach you about virtualization and the basics of VMware. This book is for system administrators who are ready to go beyond an introduction.

VCP VMware Certified Professional on vSphere 4 Review Guide May 31 2021 A concise, focused study aid to accompany VCP for vSphere 4 Study Guide. As organizations seek to cut infrastructure costs,

virtualization has become a lucrative specialty for IT professionals. VCP is the leading virtualization certification, and this book is designed to work hand-in-hand with the VCP for vSphere 4 Study Guide to better prepare VMware pros for the comprehensive exam. Filled with review information, it helps you deepen your understanding of vSphere, the first cloud operating system. Virtualization skills are much in demand, and VMware professionals become more marketable when they achieve VCP certification; this review guide works with other learning tools to increase vSphere knowledge and

confidence Offers invaluable help for last-minute review Covers planning, installing, and upgrading ESX/ESXi; configuring ESX/ESXi networking and storage; installing and configuring vCenter Server; deploying and managing virtual machines and vApps; managing compliance; establishing service levels; and basic troubleshooting CD includes two practice exams, flashcards, and a searchable glossary of key terms This highly focused Sybex review guide is the perfect study companion to VCP for vSphere 4 Study Guide, helping you achieve VCP certification, increased confidence, and better job opportunities.

VMware vSphere 5 Administration Instant Reference Apr 29 2021 Compact and portable reference guide for quick answers to VMware vSphere If you're looking to migrate to the newest version of VMware vSphere, this concise guide will get you up to speed and down to business in no time. If you're new to VMware vSphere, this book is for you too! The compact size of this quick reference makes it easy for you to have by your side—whether you're in the field, server room, or at your desk. Helpful elements for finding information such as thumb tabs, tables of contents with page numbers at the beginning

of each chapter, and special headers puts what you need at your fingertips, fast. No matter your skill level, this book's focus on essential day-to-day tasks for administering vSphere make it a handy reference for anyone. Covers the highly anticipated release of VMware vSphere Allows you to hit the ground running with the latest VMware vSphere software Provides you answers on the spot with concise, no-nonsense instruction Designed for busy IT professionals, this instant reference is the perfect go-to resource.

Learning VMware vSphere 6.5

Nov 05 2021

Learning VMware vSphere

Apr 10 2022 Lay the

foundations for data center virtualization using VMware vSphere 6 and strengthen your understanding of its power. About This Book Learn how server virtualization is achieved and how a virtual infrastructure is built using VMware's products and solutions. Design to create a scalable and responsive virtualization platform for hosting the virtual machine workloads of a business. Manage compute, network and storage resources of a virtual infrastructure. Relevant conceptual diagrams, flowcharts and screen-captures enable in-depth comprehension of the concepts. Also, the concise writing style makes

this book a very easy read. Who This Book Is For This is a book for any experienced technologist who is new to the realm of Data Center virtualization wanting to find a way to get a head start in learning how to design, implement and manage a modern day datacenter virtualized using VMware's core infrastructure solutions. It could also act a comprehensive reference guide for Infrastructure Architects and System Administrators to aid them in their day to day activities. This book could easily find its place in reference materials used by professionals for VCP and VCAP certification exams. Keep

in mind however that the book is not written to follow as a blueprint for either of the exams. What You Will Learn Understand the architecture of the hypervisor and learn how to install deploy and configure ESXi hosts Find out what forms a VMware Virtual Machine can take and also learn how to create and manage them Familiarize yourself with the concepts of vSphere Storage and learn how to present and manage storage in a vSphere environment Create and manage software switching constructs such as the vNetwork Standard Switch and vNetwork Distributed Switches Monitor the performance of a vSphere environment using

tools such as the vCenter Performance Graphs and 'esxtop' Manage SSL certificates in a vSphere environment Upgrade and patch a vSphere environment using vSphere Update Manager In Detail Computer virtualization is a method to enable the running of multiple application workloads on a machine to achieve efficient utilization and reduce the number of physical machines in a data center. This has now become the foundation of many modern day data centers. What began as a technology to virtualize x86 architecture has now grown beyond the limits of a server's hardware and into the realm of storage and

network virtualization. VMware is currently the market leader in developing data center virtualization solutions. This book goes into the details of designing and implementing VMware solutions that form the foundation of a VMware infrastructure. The book begins by introducing you to the concepts of server virtualization followed by the architecture of VMware's hypervisor - ESXi and then by its installation and configuration. You then learn what is required to manage a vSphere environment and configure advanced management capabilities of vCenter. Next you are taken through topics on vSphere

Networking, Storage, ESXi Clustering, Resource Management and Virtual Machine Management. You will then be introduced to SSL Certificate Management and its use in a vSphere environment. Finally, you will learn about the lifecycle management of a vSphere environment by effectively monitoring, patching and upgrading vSphere components using Update Manager. By the end of the book, you will know how to use VMware's vSphere suite of components to lay the foundation of a modern day virtual infrastructure. Style and approach This is an easy-to-follow guide that will give you everything you need to fully

understand the concepts involved in data center virtualization. The screenshots, concept diagrams, and flowcharts included will help you understand the subjects discussed better.

Configuring VMware Virtual Volumes for Systems

Powered by IBM Spectrum

Virtualize Jan 15 2020 IBM®

Spectrum Virtualize and VMware's Virtual Volumes (VVols) are paving the way toward a true IBM Software Defined Environment (SDE). IBM Spectrum™ Virtualize is

at the core of software-defined storage. The addition of VVols enables a fundamentally more efficient operational model for storage in virtualized

environments, centering it around the virtual machine (VM) rather than the physical infrastructure. This IBM Redbooks® publication provides an overview of the VVols management framework and its implementation on storage systems managed by IBM Spectrum Virtualize™.

Mastering VMware vSphere

6.5 Feb 08 2022 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.

VMware Vsphere 5.1

Cookbook May 19 2020 A fast-paced, task-oriented Cookbook covering recipes on the installation and configuration

of vSphere 5.1 components. The recipes are accompanied with relevant screenshots with an intention to provide a visual guidance as well. The book concentrates more on the actual task rather than the theory around it, making it easier to understand what is really needed to achieve the task. This book is a guide for anyone who wants to learn how to install and configure VMware vSphere components. This is an excellent handbook for support professionals or for anyone intending to give themselves a head start in learning how to install and configure vSphere 5.1 components. It is also a good task-oriented reference

material for consultants who design and deploy vSphere environments.

Learning VMware ESXi vSphere Sep 15 2022 "In this VMware vSphere training course, Glen Martin gives you an overview of installing and configuring a vSphere 5.1 environment. You will quickly become familiar with the core features of vSphere, and how to install and configure them. This tutorial is designed for the absolute beginner, and you do not need any prior vSphere experience to get the most from the lessons. Once you have completed this vSphere 5.1 Administration video tutorial, you will be familiar and comfortable with the

process of installing and configuring vSphere for a development and testing lab."-- Resource description page.

VMware vSphere 6.5 Cookbook Oct 16 2022

VMware vSphere 6.5 is the next-generation infrastructure for next-generation applications. VMware vSphere is a complete and robust virtualization product suite that helps transforming data centers into simplified on-premises cloud infrastructures, providing for automation and orchestration of workload deployment and life cycle management of ...

[Mastering VMware vSphere 6.7](#) Feb 20 2023 Master your virtual environment with the

ultimate vSphere guide
Mastering VMware vSphere 6.7
is the fully updated edition of
the bestselling guide to
VMware's virtualization
solution. With comprehensive
coverage of this industry-
leading toolset, this book acts
as an informative guide and
valuable reference. Step-by-
step instruction walks you
through installation,
configuration, operation,
security processes, and much
more as you conquer the
management and automation of
your virtual environment.
Written by certified VMware
vExperts, this indispensable
guide provides hands-on
instruction and detailed
conceptual explanations,

anchored by practical
applications and real-world
examples. This book is the
ultimate guide to vSphere,
helping administrators master
their virtual environment.
Learn to: Install, configure, and
manage the vCenter Server
components Leverage the
Support Tools to provide
maintenance and updates
Create and configure virtual
networks, storage devices, and
virtual machines Implement the
latest features to ensure
compatibility and flexibility
Manage resource allocation
and utilization to meet
application needs Monitor
infrastructure performance and
availability Automate and
orchestrate routine

administrative tasks Mastering
VMware vSphere 6.7 is what
you need to stay up-to-date on
VMware's industry-leading
software for the virtualized
datacenter.

VMware vSphere 5.5 Cookbook

Nov 12 2019 This is an
excellent handbook for system
administrators, support
professionals, or for anyone
intending to give themselves a
headstart in learning how to
install, configure, and manage
a vSphere environment. It is
also a good task-oriented
reference guide for consultants
or infrastructure architects
who design and deploy vSphere
environments.

**VMware vSphere For
Dummies** Sep 22 2020 A plain-

English guide to the market-leading virtualization and cloud computing technology With virtualization, a single server can host dozens or hundreds of virtual machines running a variety of operating systems, and even hook them together in a virtual network or cloud infrastructure. This practical guide shows you how to create a virtual system using the VMware vSphere environment. You'll find all the information you need to understand, design, and deploy one—without getting overwhelmed with technical detail. And once you're up and running, this book is the perfect reference for maintenance and

troubleshooting issues. Introduces you to virtualization and VMware's virtualization/cloud computing technology, the most recent version is VMware vSphere Shows you how to design a vSphere environment Covers installation, deployment, management, maintenance, and troubleshooting Provides what IT managers and system administrators need to roll out their first virtualized or cloud infrastructure, or to get up to speed on VMware's technology Get up and running on the cloud with VMware vSphere For Dummies!

vSphere 6 Foundations Exam Official Cert Guide (Exam #2V0-620) Feb 25

2021 VMware 2V0-620 and 2V0-621 exams retired in 2019. We are continuing to make this content available for those who wish to use it to study the foundational information it contains. vSphere 6 Foundations Exam Official Cert Guide (Exam #2V0-620) vSphere 6 Foundations Exam Official Cert Guide (Exam #2V0-620) presents you with an organized test-preparation routine through the use of proven series elements and techniques. "Do I Know This Already?" quizzes open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-

ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. · Master VMware vSphere 6 Foundations Exam topics · Assess your knowledge with chapter-opening quizzes · Review key concepts with exam-preparation tasks · Practice with realistic exam questions vSphere 6 Foundations Exam Official Cert Guide (Exam #2V0-620) focuses specifically on the objectives for the vSphere 6 Foundations (#2V0-620) Exam. Leading VMware consultant and trainer Bill Ferguson shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual

knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The companion website contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging

review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. vSphere 6 Foundations Exam Official Cert Guide (Exam #2V0-620) is part of a recommended learning path from VMware that includes simulation and hands-on training from authorized VMware instructors and self-study products from VMware Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered worldwide, please visit www.vmware.com/training. The official study guide helps you master all the topics on the

vSphere 6 Foundations Exam (#2V0-620), including · Identifying vSphere architecture and solutions for a given use case · Installing and configuring vCenter Server and ESXi · Configuring vSphere networking, including vSS, vDS, and their features · Configuring vSphere storage · Deploying and administering virtual machines, VM clones, templates, and vApps · Establishing and maintaining availability and resource management features, including clusters, fault tolerance, and resource pools · Troubleshooting ESXi, vCenter Server, vCenter operations, VM operations, and basic misconfigurations · Monitoring

a vSphere implementation, including ESXi, vCenter Server, and virtual machines · Installing, configuring, and managing vCenter Operations Manager NOTE: Although there are changes between vSphere 6.0 and 6.5, they are not in the area of Foundations, therefore, vSphere 6 Foundations Exam #2V0-620 can be taken as part of official preparation steps toward your 6.5 or 7.0 certifications. *Mastering VMware vSphere 6* May 11 2022 Master your virtual environment with the ultimate vSphere guide Mastering VMware vSphere 6 is the fully updated edition of the bestselling guide to VMware's virtualization

solution. With comprehensive coverage of this industry-leading toolset, this book acts as an informative guide and valuable reference. Step-by-step instruction walks you through installation, configuration, operation, security processes, and much more as you conquer the management and automation of your virtual environment. Written by certified VMware vExperts, this indispensable guide provides hands-on instruction and detailed conceptual explanations, anchored by practical applications and real-world examples. This book is the ultimate guide to vSphere, helping administrators master

their virtual environment.

Learn to: Install, configure, and manage the vCenter Server components Leverage the Support Tools to provide maintenance and updates Create and configure virtual networks, storage devices, and virtual machines Implement the latest features to ensure compatibility and flexibility Manage resource allocation and utilization to meet application needs Monitor infrastructure performance and availability Automate and orchestrate routine administrative tasks Mastering VMware vSphere 6 is what you need to stay up-to-date on VMware's industry-leading software for the virtualized

datacenter.

VMware vSphere 6.7 Cookbook Jun 12 2022 Proven, actionable ways to install, manage, secure and monitor your vSphere 6.7 environments Key Features Get up to speed with the installation and life cycle management of a vSphere 6.7 environment, using a task-based approach Secure your vSphere environment using SSL Certificates Get introduced to the tools that are used to monitor the performance of the vSphere Environment Book Description VMware vSphere is the most comprehensive core suite of SDDC solutions on the market. It helps transform data centers into simplified on-premises private cloud

infrastructures. This edition of the book focuses on the latest version, vSphere 6.7. The book starts with chapters covering the greenfield deployment of vSphere 6.7 components and the upgrade of existing vSphere components to 6.7. You will then learn how to configure storage and network access for a vSphere environment. Get to grips with optimizing your vSphere environment for resource distribution and utilization using features such as DRS and DPM, along with enabling high availability for vSphere components using vSphere HA, VMware FT, and VCHA. Then, you will learn how to facilitate large-scale deployment of

stateless/stateful ESXi hosts using Auto Deploy. Finally, you will explore how to upgrade/patch a vSphere environment using vSphere Update Manager, secure it using SSL certificates, and then monitor its performance with tools such as vSphere Performance Charts and esxtop. By the end of this book, you'll be well versed in the core functionalities of vSphere 6.7 and be able to effectively deploy, manage, secure, and monitor your environment. What you will learn Deploy a new vSphere 6.7 environment or upgrade an existing vSphere environment to version 6.7 Learn how to configure and manage storage and network

access for a vSphere environment Enable high availability for Hosts, VMs and vCenter Server Optimize your vSphere environment for resource distribution/utilization Patch or upgrade a vSphere environment using vSphere Update Manager Secure vSphere infrastructure components using SSL certificates Effectively monitor the performance of your vSphere environment Who this book is for If you are a systems administrator, support engineer, or anyone who wants to learn how to install, configure, and manage a vSphere environment in a quick, hands-on manner, then

this book is for you. Consultants and infrastructure architects who wish to design and deploy vSphere 6.7 environments will also find this book helpful. **VCP5-DCV Official Certification Guide (Covering the VCP550 Exam)** Jul 21 2020 The Publisher regrets that the CD/DVD content for this title cannot be made available Online. Trust the Official Cert Guide series from VMware Press to help you learn, prepare, and practice for exam success. They are the only VMware authorized self-study books and are built with the objective of providing assessment, review, and

practice to help ensure you are fully prepared for your certification exam. · Master VMware VCP550 exam topics · Assess your knowledge with chapter-opening quizzes · Review key concepts with exam preparation tasks · Practice with realistic exam questions on the DVD This is the eBook edition of the VCP5-DCV Official Certification Guide. This eBook does not include the companion DVD with practice exam that comes with the print edition. VCP5-DCV Official Certification Guide presents you with an organized test-preparation routine through the use of proven series elements and techniques. “Do I Know This Already?” quizzes

open each chapter and enable you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Well regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The official study guide helps you master all the topics on the VCP550 exam. Key topics include · Installing, upgrading, and securing all the

key components in your vSphere, including ESXi hosts, vCenter, datastores, and network components · Networking components in vSphere, including vSphere standard switch and vSphere distributed switch concepts · Configuring and managing all forms of storage, including Fibre Channel, iSCSI, and network-attached storage · Creating, configuring, and managing virtual machines and vApps · Keeping your vSphere running smoothly and recovering quickly from any failure, including services that improve overall utilization and recoverability · Identifying the key components of your vSphere and how they work

together · Understanding the “core four” resources in any computer system: CPU, memory, disk, and network · Preparing to schedule, take, and pass the VCP550 test

VCP5-DCV Official Certification Guide is part of a recommended learning path from VMware that includes simulation and hands-on training from authorized VMware instructors and self-study products from VMware Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered worldwide, please visit www.vmware.com/training.

VCDX Boot Camp Mar 17 2020 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

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[VCP5-DCV VMware Certified Professional-Data Center Virtualization on vSphere 5.5 Study Guide Sep 03 2021](#)
Prepare for the VCP-DCV Exam
Prepare yourself for VMware's challenging VMware Certified Professional-Data Center Virtualization exam, as well as the typical tasks and responsibilities you can expect as a VMware vSphere 5.5-certified professional. This comprehensive book guides

you through all topics and objectives you'll need to know for the exam. These include planning, installing, upgrading, and securing vCenter Server and ESXi; configuring networking and storage; performing basic troubleshooting; and more. You'll also gain access to premium online practice and review tools. Prepares certification candidates for the VMware Certified Professional-Data Center Virtualization exam (VCP-DCV) Covers all exam objectives Features real-world scenarios, hands-on exercises, and challenging review questions Explores key topics such as securing vCenter and ESXi, planning and

configuring vSphere networking and storage, creating and deploying virtual machines and vApps, establishing services levels, and more Includes access to online practice exams, flashcards, and other study tools If you want the best preparation for the VCP-DCV certification exam, you'll want VCP-DCV VMware Certified Professional Data Center Virtualization on vSphere Study Guide.

Mastering VMware vSphere 6
Jan 19 2023 Master your virtual environment with the ultimate vSphere guide Mastering VMware vSphere 6 is the fully updated edition of the bestselling guide to

VMware's virtualization solution. With comprehensive coverage of this industry-leading toolset, this book acts as an informative guide and valuable reference. Step-by-step instruction walks you through installation, configuration, operation, security processes, and much more as you conquer the management and automation of your virtual environment. Written by certified VMware vExperts, this indispensable guide provides hands-on instruction and detailed conceptual explanations, anchored by practical applications and real-world examples. This book is the ultimate guide to vSphere,

helping administrators master their virtual environment. Learn to: Install, configure, and manage the vCenter Server components Leverage the Support Tools to provide maintenance and updates Create and configure virtual networks, storage devices, and virtual machines Implement the latest features to ensure compatibility and flexibility Manage resource allocation and utilization to meet application needs Monitor infrastructure performance and availability Automate and orchestrate routine administrative tasks Mastering VMware vSphere 6 is what you need to stay up-to-date on VMware's industry-leading

software for the virtualized datacenter.

VCP VMware Certified Professional on vSphere 4 Study Guide Aug 02 2021

VMware vSphere 4 virtualization certification- here's how to prepare for the exam! VMware's vSphere 4 is the latest offering from this leading virtualization software provider. With today's emphasis on going green and cutting costs, virtualization of IT infrastructures is a hot topic. What better way to show the marketplace your virtualization expertise than with a VMware Certified Professional on vSphere 4 certification? This in-depth study guide covers all exam objectives, thoroughly

preparing you with challenging review questions, real-world scenarios, hands-on exercises, and more. VMware's vSphere 4 is the latest offering from VMware, the leading virtualization software provider on the market Prepares you for the VMware Certified Professional (VCP) on vSphere 4 (VCP-410) certification exam, with complete coverage of all exam objectives Guides you through such topics as planning, installing, and upgrading ESX/ESXi; configuring ESX/ESXi networking and storage; installing and configuring vCenter Server; deploying and managing virtual machines; and more Reinforces your

preparation with challenging review questions, hands-on exercises, and real-world scenarios Includes a CD with Sybex test engine, electronic flashcards, and practice exams Make sure you're ready for VMware's VCP certification exam with this packed study guide. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Learning PowerCLI Nov 24 2020 Learn to leverage the power of PowerCLI to automate your VMware vSphere environment with ease About This Book This is first book on the market that will enlighten you on the latest version of PowerCLI and how to

implement it Effectively manage virtual machines, networks, and reports with the latest features of PowerCLI A comprehensive and practical book on automating VMware vSphere Who This Book Is For This book is ideal for you if you want to learn how to automate your VMware vSphere or vCloud infrastructure by getting the most out of PowerCLI. It's assumed that you have some experience in administrating a vSphere or vCloud environment. Knowledge of Microsoft's Windows PowerShell is not a prerequisite. What You Will Learn Explore PowerShell and PowerCLI cmdlets and their output objects See how to

manage virtual machines and work with virtual networks Manage vCloud Director from PowerCLI Use Site Recovery Manager from PowerCLI to create a disaster recovery solution Manage NSX and vRealize Automation using REST API with PowerCLI Create and configure vSphere HA and DRS clusters Use vSphere Update Manager with PowerCLI to create patch baselines and scan hosts Explore reporting techniques to retrieve log files In Detail VMware vSphere PowerCLI, a free extension to Microsoft Windows PowerShell, enables you to automate the management of a VMware vSphere or vCloud

environment. This book will show you how to automate your tasks and make your job easier. Starting with an introduction to the basics of PowerCLI, the book will teach you how to manage your vSphere and vCloud infrastructure from the command line. To help you manage a vSphere host overall, you will learn how to manage vSphere ESXi hosts, host profiles, host services, host firewall, and deploy and upgrade ESXi hosts using Image Builder and Auto Deploy. The next chapter will not only teach you how to create datastore and datastore clusters, but you'll also work with profile-driven and policy-based storage to manage your

storage. To create a disaster recovery solution and retrieve information from vRealize Operations, you will learn how to use Site Recovery Manager and vRealize Operations respectively. Towards the end, you'll see how to use the REST APIs from PowerShell to manage NSX and vRealize Automation and create patch baselines, scan hosts against the baselines for missing patches, and re-mediate hosts. By the end of the book, you will be capable of using the best tool to automate the management and configuration of VMware vSphere. Style and approach This comprehensive book will teach system administrators everything

about PowerCLI 6 and how to utilize it to automate VMware vSphere.

VMware vSphere 6.7 Cookbook - Fourth Edition

Jun 19 2020 Proven, actionable ways to install, manage, secure and monitor your vSphere 6.7 environments Key Features Get up to speed with the installation and life cycle management of a vSphere 6.7 environment, using a task-based approach Secure your vSphere environment using SSL Certificates Get introduced to the tools that are used to monitor the performance of the vSphere Environment Book Description VMware vSphere is the most comprehensive core suite of SDDC solutions on the

market. It helps transform data centers into simplified on-premises private cloud infrastructures. This edition of the book focuses on the latest version, vSphere 6.7. The book starts with chapters covering the greenfield deployment of vSphere 6.7 components and the upgrade of existing vSphere components to 6.7. You will then learn how to configure storage and network access for a vSphere environment. Get to grips with optimizing your vSphere environment for resource distribution and utilization using features such as DRS and DPM, along with enabling high availability for vSphere components using vSphere HA,

VMware FT, and VCHA. Then, you will learn how to facilitate large-scale deployment of stateless/stateful ESXi hosts using Auto Deploy. Finally, you will explore how to upgrade/patch a vSphere environment using vSphere Update Manager, secure it using SSL certificates, and then monitor its performance with tools such as vSphere Performance Charts and esxtop. By the end of this book, you'll be well versed in the core functionalities of vSphere 6.7 and be able to effectively deploy, manage, secure, and monitor your environment. What you will learn Deploy a new vSphere 6.7 environment or upgrade an existing vSphere

environment to version 6.7 Learn how to configure and manage storage and network access for a vSphere environment Enable high availability for Hosts, VMs and vCenter Server Optimize your vSphere environment for resource distribution/utilization Patch or upgrade a vSphere environment using vSphere Update Manager Secure vSphere infrastructure components using SSL certificates Effectively monitor the performance of your vSphere environment Who this book is for If you are a systems administrator, support engineer, or anyone who wants to learn how to install, configure, and manage a

vSphere environment in a quick, hands-on manner, then this book is for you. Consultants and infrastructure architects who wish to design and deploy vSphere 6.7 environments will also find this b...

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