Vmware Vsphere Install Configure Manage V6 5

Trust the bestselling Official Cert Guide series from VMware Press to help you learn, prepare, and practice for VCP5 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. **Note to readers** In March 2013 VMware renamed the VCP5 (VMware Certified Professional on vSphere 5) to VCP5-DCV (VMware Certified Professional on vSphere 5 - Data Center Virtualization). The Official VCP5 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. Master VMware VCP510 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks The Official VCP5 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.

"The VMware Ultimate Bootcamp vSphere 5.5 is an intensive course that combines theoretical knowledge with hands-on labs to enable the students to install, configure, manage, and troubleshoot VMware vSphere 5.5, including VMware ESXi 5.5 and VMware vCenter Server 5.5. The VMware Ultimate Bootcamp vSphere 5.5 course covers the fundamental tools and techniques required to plan, install and administer a VMware environment including disaster recovery and backup. It also teaches the students on creating, configuring and securing virtual machines. The students will get a basic understanding of licensing and different components of the VMware vSphere suite of applications. The course will be helpful in preparing for the Certified Virtualization Expert (CVE) exam from VMware."--Resource description page.

Your One-Stop Reference for VMware vSphere Automation If you manage vSphere in a Windows environment, automatingroutine tasks can save you time and increase efficiency. VMwarevSphere PowerCLI is a set of pre-built commands based on WindowsPowerShell that is designed to help you automate vSphere processesinvolving virtual machines, datacenters, storage, networks, andmore. This detailed guide—using a practical, task-basedapproach and real-world examples—shows you how to get themost out of PowerCLI's handy cmdlets. Learn how to: Automate vCenter Server and ESX/ESX(i) Server deployment andconfiguration Create and configure virtual machines and use vApps Secure, back up, and restore your virtual machines Monitor, audit, and report the status of your vSphereenvironment Use the PowerCLI SDK, PowerWF Studio, and vEcoShell Schedule and view automation Add a GUI front end to your scripts

This is an easy-to-follow guide that will help you learn everything you need to know to administer backup, replication, and recovery in your VMware vSphere environment, with Veeam Backup and Replication. This book is aimed at VMware vSphere administrators looking to protect their infrastructure by utilizing the world's leading modern data protection solution, specifically designed for virtual environments. A good understanding of VMware vSphere architecture is recommended, but prior knowledge of Veeam Backup and Replication is not required.

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

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.

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.

Annotation Thousands of organizations are virtualizing large-scale Oracle database systems. But, until now, reliable best practices have been hard to find, and database and virtualization professionals have often brought differing and incompatible perspectives to the challenge. Now, there's a comprehensive best practice guide reflecting deep understanding of both Oracle and vSphere, and supported by extensive in-the-field experience with the full spectrum of applications and environments.

The only quick reference guide to the number one virtualization product! Get all your solutions about VMware's newest virtualization infrastructure software on the spot with this handy reference guide. Designed for quick access with special headings, thumb tabs, easy-to-read lists, and more, this book is the perfect companion to any comprehensive VMware guide, such as Mastering VMware vSphere 4. Covers the market-leading virtualization product, VMware's new vSphere 4 Offers a quick-access reference for your day-to-day administration of vSphere 4 Includes thumb tabs, secondary and tertiary tables of contents, and special heading treatments to provide quick and easy lookup, as well as quick-reference tables, lists, and step-by-step instruction to provide VMware administrators answers on the spot Keep this helpful, handy guide within easy reach.

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.

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.

This book is a practical, hands-on guide that will help you learn everything you need to know to administer your environment with VMware vCenter Server. Throughout the book, there are best practices and useful tips and tricks which can be used for day-to-day tasks.If you are an administrator or a technician starting with VMware, with little or no knowledge of virtualization products, this book is ideal for you. Even if you are an IT professional looking to expand your existing environment, you will be able to use this book to help you improve the management of these environments. IT managers will find it helpful in terms of improving cost efficiency, ensuring required levels of service and utilising its excellent reporting abilities.

The 2013 edition of the bestselling vSphere book on the market Virtualization remains the hottest trend in the IT world, and VMware vSphere is the industry's most widely deployed virtualization solution. The demand for IT professionals skilled in virtualization and cloud-related technologies is great and expected to keep growing. This comprehensive Sybex guide covers all the features and capabilities of VMware vSphere, showing administrators step by step how to install, configure, operate, manage, and secure it. This perfect blend of hands-on instruction, conceptual explanation, and practical application is reinforced with real-world examples. Led by Scott Lowe and Nick Marshall, both VMware vExperts, the author team provides expertise that will prepare IT professionals to excel in using this virtualization technology. Virtualization is seen as a "best practice" for high availability and disaster recovery solutions, as well as for applications such as Exchange Server and SharePoint IDC estimates that there are as many as 7 million jobs available worldwide in virtualization and cloud technology Provides hands-on instruction in all the latest features and capabilities of VMware vSphere, with both conceptual explanations and practical applications Author team is lead by Scott Lowe and Nick Marshall, well-known VMware experts and popular bloggers Mastering VMware vSphere provides what every virtualization professional needs to know.

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

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.

Mastering VMware vSphere 5.5John Wiley & Sons

All you need to know to plan, deploy, and run virtual infrastructure with VMware vSphere 5 - including secrets nobody else will tell you! * *Fully covers planning, implementing, operating, and managing vSphere 5. *Brings together key techniques in a start-to-finish case study. *Offers expert guidance on overcoming common VMware pitfalls, problems, and obstacles to 100% virtualization. *By two leading experts, including one of the world's first holders of VMware's elite VCDX certification. To make the most of VMware's vSphere 5, IT professionals need knowledge, tips, and insights they'll never find in the manuals - or in any book, until now! In Managing and Optimizing vSphere Deployments, two world-class VMware experts offer start-to-finish lessons for vSphere planning, implementation, operation, management, and troubleshooting: expert insights drawn from their own unsurpassed 'in-the-trenches' consulting experience. The authors focus on the most crucial techniques VMware professionals need, providing guidance optimized for the new vSphere 5, and frameworks that will support the evolution of virtual infrastructure for years to come. They present scenarios and case studies drawn from real-world data, addressing areas ranging from sizing and performance to redundancy. Coverage includes: * *Smoothly integrating vSphere 5 into current environments and considerations. *Overcoming roadblocks to 100% virtualization. *Establishing a more stable infrastructure. *Choosing hardware and making optimal configuration decisions. *Automating tasks and maximizing availability. *Efficiently managing updates, patches, and upgrades. *Monitoring vSphere 5 with tools provided by VMware and its community. *Planning for growth, and much more

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.

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

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 ...

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 6.7s 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.

This book is intended for virtualization administrators who want to learn VMware vSphere quickly. It is assumed that you have some basic knowledge of virtualization and the vSphere environment.

Cut hardware costs, expand your capacity, and manage an entire fleet of virtual machines in your enterprise with the leading virtualization solution, VMware Infrastructure 3 (VI3), by applying the step-by-step instructions in Mastering VMware® Infrastructure 3. Packed with the technical details, best practices, and how-tos you need to install, configure, and run a virtual infrastructure at maximum efficiency, this guide is comprehensive and essential. Learn how to create and manage virtual networks and machines, configure every product in the VI3 suite, monitor resources and performance, maintain security, and much more.

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.

Umer Khan's first book, Cisco Security Specialist's Guide to PIX Firewalls, ISBN: 1931836639, has consistently maintained its spot as the #1 best-selling PIX book on amazon.com by providing readers with a clear, comprehensive, and independent introduction to PIX Firewall configuration. With the market for PIX Firewalls maintaining double digit growth and several major enhancements to both the PIX Firewall and VPN Client product lines, this book will have enormous appeal with the audience already familiar with his first book. The Cisco Pix firewall is the #1 market leading firewall, owning 43% market share. Cisco is poised to release the newest, completely re-designed version 7 of the Pix operating system in the first quarter of 2004 "Cisco Pix Firewalls: configure | manage | troubleshoot" Covers all objectives on the new Cisco Pix certification exam, making this book the perfect study guide in addition to professional reference Umer Khan's first book "Cisco Security Specialist's Guide to PIX Firewall" has been the #1 market leading Cisco Pix book since it was published in 2002

When it comes to software, you've got a lot to lose - prepare yourself for when disaster strikes with vCentreSRM and vSphere Replication with this essential guideAbout This Book* Don't leave it to chance - get your Disaster Recovery strategy in place with two of VMware's leading DR tools* Replicate your virtual machines to make recovering your systems and data as simple and stress free as possible* Simplify and automate the way you manage your infrastructure with the vCenter Orchestrator pluginWho This Book Is ForSysAdmins - if you're in dire need of a Disaster Recovery solution, this guide will show you how to get to work with some of the best tools from VMware. You'll need to properly understand how your infrastructure works and be confident with virtual machines and your data center, but if you know that, we'll show you how to make sure they're safe from disaster...What you will learn* Install and configure VMware vCenter Site Recovery Manager* Simplify your approach to Disaster Recovery by using vSphere

Replication as a standalone solution* Protect your virtual machines and prepare yourself for failure with a quick recovery strategy* Test your Recovery Plans* Learn how to deploy vSphere Replication Appliances and vSphere Replication Servers.* Simplify the way you work with the vCenter Orchestrator plugin - automate the way you replicate your software!In DetailWe depend on software for so much - so when disaster strikes, we need to be prepared and confident that we can retrieve and recover data and systems with minimal impact and stress. Find out how VMware's vSphere Replication and vCenter Site Recovery Manager can support you to do just that with this vital guide.Learn how to set up and configure the SRM, and discover how to fully leverage its unique array-based replication that will give you the security you need that you're in full control of your software infrastructure should something go wrong. You'll also learn how to protect your virtual machines by creating protection groups and test recovery plans.We'll then show you the steps you need to follow to deploy vSphere Replication Appliances and servers. You'll also learn how the VMware vCenter Orchestrator plugin for Site Recovery manager allows SRM admins to simplify the way they manage their infrastructure through its automation features.So, not only will you be confident that you have a Disaster Recovery plan should you need one, you'll also be in full control of your work, which means less stress for you and more time to worry about what's important - more optimizations to drive software performance for your team.

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 books 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.

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.

Learning PowerCLI is written in a friendly and practical style with a focus on getting you started and automating daily tasks quickly and efficiently. If you manage or administrate a vSphere environment, and want to make that easier and more efficient, then this book is for you! This book is ideal for you if you want to learn how to automate your VMware vSphere infrastructure, by getting the most out of PowerCLI. It's assumed that you have some experience in administrating a VMware vSphere environment. Knowledge of Microsoft's Windows PowerShell is not a prerequisite.

Master vSphere 6 virtualization with hands-on practice and bonus preview exams VCP6-DCV: VMware Certified Professional-Data Center Virtualization on vSphere 6 Study Guide is your ultimate guide to preparing for exam 2VO-621. This Study Guide provides 100% coverage of all exam objectives and offers a unique set of study tools including

assessment tests, objective map, real-world scenarios, hands-on exercises, and much more so you can be confident come exam day. You will also receive access to the superior Sybex interactive online learning environment that provides additional study tools including electronic flashcards and bonus practice exams. More than just a study guide, this book bridges the gap between exam prep and real-world on the job skills by focusing on the key information VMware professionals need to do the job. You'll master the vCenter Server and ESXi from planning and installation through upgrade and security, and develop an in-depth understanding of vSphere networking and storage, vApp deployment, service level establishment, troubleshooting, monitoring implementation, and so much more. Study 100% of exam 2V0-621 objectives Practice your skills with hands-on exercises Gain professional insight from real-world scenarios Test your understanding with review questions, practice tests, and more Virtualization is the number-one IT priority for organizations across public and private sectors, and VMware is the dominant force in the virtualization space. The VCP6-DCV certification gives you a highly marketable credential in terms of employment, but first you must pass this challenging exam. VCP6-DCV gives you the power of Sybex exam prep and the skills you need to excel at the job. IBM® Spectrum Virtualize and VMware's Virtual Volumes (VVols) are paving the way toward a true IBM Software Defined Environment (SDE). IBM SpectrumTM 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 VirtualizeTM..

Plan, design, deploy, and administer the solutions available in VxRail Appliance Key Features Learn how to plan and design the VxRail HCI system Understand VxRail's administration, lifecycle management, and cluster scale-out Explore migration methodologies for VxRail systems Book Description Hyper-converged infrastructure (HCI) can help you simplify the provisioning and daily operations of computing and storage. With this book, you'll understand how HCI can offload the day 0 deployment and day-to-day operations of a system administrator. You'll explore the VxRail Appliance, which is an HCI solution that provides lifecycle management, automation, and operational simplicity. Starting with an overview of the VxRail Appliance system architecture and components, you'll understand the benefits of the VxRail system and compare it with the environment of traditional servers and storage. As you advance, the book covers topics such as disaster recovery and active-active and active-passive solutions for VxRail. By the end of this book, you'll have gained the confidence to manage the deployment, administration, planning, and design of a VxRail system. What you will learn Set up the hardware and software requirements for a VxRail installation Monitor the status of VxRail appliances with the VxRail Manager plugin Get to grips with all the administration interfaces used to manage the VxRail appliance Understand vCenter roles and permissions management in the VxRail cluster Discover best practices for vSAN configuration in the VxRail cluster Find out about VxRail cluster scale-out rules and how to expand the VxRail cluster Deploy active-passive solutions for VxRail with VMware Site Recovery Manager (SRM) Who this book is for If you are a system architect, system administrator, or consultant involved in planning and deploying VxRail HCI or want to learn how to use VxRail HCI, then this book is for you. Equivalent knowledge and administration experience with ESXi and vCenter Server will be helpful.

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.

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.

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.

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.