

## Vmware Student Guide

The Official VCP5 Certification GuideVCA-DCV VMware Certified Associate on vSphere Study GuideVCP6-NV Official Cert Guide (Exam #2V0-641)VCP-DCV Official Cert GuideCCNA Data Center DCICT 640-916 Official Cert GuideVMware vSphere PowerCLI ReferenceMastering VMware vSphere 6.5Rob's Guide to Using VMwareCompTIA Cloud Essentials+ Study GuideMastering VMware vSphere 6.7Mastering VMware NSX for vSphereIBM Distributed Virtual Switch 5000V Quickstart GuideVirtualization EssentialsReversingVMware VI and vSphere SDKVMware Certified Professional Data Center Virtualization on vSphere 6.7 Study GuideGuide to Parallel Operating Systems with Windows 10 and LinuxVMware Private Cloud Computing with VCloud DirectorIT Architect: Foundation in the Art of Infrastructure Design: A Practical Guide for IT ArchitectsMastering PowerCLIGuide to Computer Forensics and InvestigationsMastering VMware vSphere 6.7A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide-Sixth Edition / Agile Practice Guide Bundle (HINDI)Complete A+ Guide to IT Hardware and SoftwareHands-on Guide to the Red Hat ExamsMastering VMware vSphere 6MCSA Guide to Administering Microsoft Windows Server 2012/R2, Exam 70-411VMware vSphere 6.7 CookbookHands on Virtual ComputingCISSP Cert GuideVMware vSphere DesignEssential Virtual SanOpenShift for DevelopersVMware vSphere For DummiesMastering CloudForms AutomationMastering VMware vSphere 5.5GolfCCNA Cloud Complete Study GuideThe Complete VMware vSphere GuidevSphere 6 Foundations Exam Official Cert Guide (Exam #2V0-620)

### The Official VCP5 Certification Guide

Reader equip themselves for today's dramatically changing IT world with the insights and timely instruction in HANDS-ON VIRTUAL COMPUTING, 2E. Whether a novice or experienced IT professional, this unique book combines current theory and developing concepts with practical hands-on activities and projects to help readers master virtualization and learn to apply those skills in real world scenarios. Readers gain experience working with the latest virtualization technology and learn the differences between the two major leaders in virtualization products -- VMware and Microsoft. Specific chapters address Oracle VirtualBox, VMware Workstation, Microsoft Hyper-V, VMware vSphere, and virtualization in software-defined data centers. Readers develop the solid understanding of virtualization concepts and products needed to advance today's IT career. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

### VCA-DCV VMware Certified Associate on vSphere Study Guide

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.

### **VCP6-NV Official Cert Guide (Exam #2V0-641)**

The IBM® Distributed Virtual Switch 5000V (DVS 5000V) is a software-based network switching solution that is designed for use with the virtualized network resources in a VMware enhanced data center. It works with VMware vSphere and ESXi 5.0 and beyond to provide an IBM Networking OS management plane and advanced Layer 2 features in the control and data planes. It provides a large-scale, secure, and dynamic integrated virtual and physical environment for efficient virtual machine (VM) networking that is aware of server virtualization events, such as VMotion and Distributed Resource Scheduler (DRS). The DVS 5000V interoperates with any 802.1Qbg compliant physical switch to enable switching of local VM traffic in the hypervisor or in the upstream physical switch. Network administrators who are familiar with IBM System Networking switches can manage the DVS 5000V just like IBM physical switches by using advanced networking, troubleshooting, and management features to make the virtual switch more visible and easier to manage. This IBM Redbooks® publication helps

the network and system administrator install, tailor, and quickly configure the IBM Distributed Virtual Switch 5000V (DVS 5000V) for a new or existing virtualization computing environment. It provides several practical applications of the numerous features of the DVS 5000V, including a step-by-step guide to deploying, configuring, maintaining, and troubleshooting the device. Administrators who are already familiar with the CLI interface of IBM System Networking switches will be comfortable with the DVS 5000V. Regardless of whether the reader has previous experience with IBM System Networking, this publication is designed to help you get the DVS 5000V functional quickly, and provide a conceptual explanation of how the DVS 5000V works in tandem with VMware.

### **VCP-DCV Official Cert Guide**

Use this expert guide to prepare for the VCA-DCV exam VCA-DCV VMware Certified Associate on vSphere Study Guide:VCAD-510 is a comprehensive study guide for the VMware Certified Associate – Data Center Virtualization exam. Hands-on examples, real-world scenarios, and expert review questions cover the full exam blueprint, and the companion website offers a suite of tools to help you prepare for the exam including practice exams, electronic flashcards, and a glossary of key terms. In addition, the website includes videos that demonstrate how to complete the more challenging tasks. Focused on practical skills, this study guide not only prepares you for the certification exam, but also for the duties expected of a VCA. The VMware Certified Associate-Data Center Virtualization certification targets those with limited virtualization and VMware data center technology experience, providing a springboard to the popular VMware Certified Professional-Data Center Virtualization certification. Virtualization has become a high priority among organizations, and credentialed professionals are in high demand. This guide helps you prove a certain level of foundational skill in basic virtualization technology, including the vSphere suite's Infrastructure Services, Application Services, and vCenter Server. Topics include: Explaining data center virtualization concepts Identifying the core components of vSphere Networking and storage planning/configuration with vSphere Correlating VMware solutions to common business challenges The VCA-DCV certification is the only one with no instructor-led training requirement, so a thorough study guide is an invaluable tool in your exam preparation. This book not only covers the full exam, but also provides practice designed to actually improve the skills used every day on the job. VCA-DCV VMware Certified Associate on vSphere Study Guide is more than just test prep—it's job prep.

### **CCNA Data Center DCICT 640-916 Official Cert Guide**

The first book in the IT Architect series helps aspiring & experienced IT infrastructure architects/administrators, and those pursuing infrastructure design certifications, establish a solid foundation in the art of infrastructure design. The three authors

## VMware vSphere PowerCLI Reference

Cisco has announced big changes to its certification program. As of February 24, 2020, all current certifications will be retired, and Cisco will begin offering new certification programs. The good news is if you're working toward any current CCNA certification, keep going. You have until February 24, 2020 to complete your current CCNA. If you already have CCENT/ICND1 certification and would like to earn CCNA, you have until February 23, 2020 to complete your CCNA certification in the current program. Likewise, if you're thinking of completing the current CCENT/ICND1, ICND2, or CCNA Routing and Switching certification, you can still complete them between now and February 23, 2020. Increase the value of your organization's cloud network—and invest in your education The Cisco Cloud certification validates the skill set of individuals on industry-leading cloud solutions and best practices, as well as offering job role-based curricula for all levels of an IT staff. CCNA Cloud Complete Study Guide prepares you to take two required exams: 210-451, Understanding Cisco Cloud Fundamentals, and 210-455, Introducing Cisco Cloud Administration. It covers everything you can expect to encounter on the exams and also gives you a year of FREE access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, a glossary of key terms, and electronic flashcards. Cisco's CCNA Cloud certification covers cloud characteristics and models, cloud deployment, and basic knowledge of cloud compute, cloud networking, and cloud storage. It also covers cloud infrastructure administration and reporting, chargeback and billing reports, cloud provisioning, cloud systems management and monitoring, and cloud remediation. With thorough coverage, practical instruction, and expert insight, this book provides an ideal resource for Exam 210-451 and Exam 210-455 preparation. • Includes an opening list of exam topics • Provides valuable hands-on exercises • Offers practical real-world examples • Distills in-depth perspective from cloud computing experts This book is the perfect resource for anyone seeking to earn the challenging, but rewarding CCNA Cloud certification.

## Mastering VMware vSphere 6.5

Beginning with a basic primer on reverse engineering—including computer internals, operating systems, and assembly language—and then discussing the various applications of reverse engineering, this book provides readers with practical, in-depth techniques for software reverse engineering. The book is broken into two parts, the first deals with security-related reverse engineering and the second explores the more practical aspects of reverse engineering. In addition, the author explains how to reverse engineer a third-party software library to improve interfacing and how to reverse engineer a competitor's software to build a better product. \* The first popular book to show how software reverse engineering can help defend against security threats, speed up development, and unlock the secrets of competitive products \* Helps developers plug security holes by demonstrating how hackers exploit reverse engineering techniques to crack copy-protection schemes and identify software targets for viruses and other malware \* Offers a primer on advanced reverse-engineering, delving into

"disassembly"-code-level reverse engineering-and explaining how to decipher assembly language

### **Rob's Guide to Using VMware**

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.

### **CompTIA Cloud Essentials+ Study Guide**

Readers examine two of the most prominent operating systems -- Windows 10 and Linux CentOS7 -- in parallel with the unique approach found only in GUIDE TO PARALLEL OPERATING SYSTEMS WITH WINDOWS 10 AND LINUX, 3E. Rather than using a compare and contrast model, the book presents each topic conceptually before demonstrating it simultaneously on both operating systems. Readers can instantly switch between Windows 10 and Linux CentOS 7 to complete the myriad of hands-on activities that reinforce the similarities between the two operating systems for each conceptual task. The text's

virtualization approach provides flexibility that enables readers to use Microsoft Hyper-V Client, Oracle VirtualBox, or VMWare Workstation. This comprehensive guide helps users develop the competencies needed in Windows 10 and Linux to maximize success in today's classroom or tomorrow's business environment. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

### **Mastering VMware vSphere 6.7**

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 2V0-621. 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.

### **Mastering VMware NSX for vSphere**

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

## IBM Distributed Virtual Switch 5000V Quickstart Guide

To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide – Sixth Edition now contains detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide – Sixth Edition – PMI's flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today's market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

## Virtualization Essentials

style="margin:0px;" > 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 certification exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks This is the eBook edition of The VCP6-NV Official Cert Guide. This eBook does not include the practice exams that come with the print edition. The VCP6-NV Official Cert 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 allows 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. The VCP6-NV Official Cert Guide focuses specifically on the objectives for the VMware Certified Professional 6—Network Virtualization (VCP6-NV #2V0-641) exam. Leading NSX and data center expert Elver Sena Sosa 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. 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 allow you to succeed on the exam the first time. The official study guide helps you master all the topics on the VCP6-NV (#2V0-641) exam, including: Understanding VMware NSX technology and architecture Understanding VMware NSX physical infrastructure requirements Configuring and managing vSphere networking Installing and upgrading VMware NSX Configuring VMware NSX virtual networks Configuring and managing NSX network services Configuring and administering network security Deploying a cross-vCenter NSX environment Performing operations tasks in a VMware NSX environment Troubleshooting a VMware network virtualization implementation The VCP6-NV Official Cert 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](http://www.vmware.com/training).

## Reversing

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!

## VMware VI and vSphere SDK

Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ Core 1 (220-1001) and Core 2 (220-1002) exams. This is your all-in-one, real-world, full-color guide to connecting, managing, and troubleshooting modern devices and systems in authentic IT scenarios. Its thorough instruction built on the CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam objectives includes coverage of Windows 10, Mac, Linux, Chrome OS, Android, iOS, cloud-based software, mobile and IoT devices, security, Active Directory, scripting, and other modern techniques and best practices for IT management. Award-winning instructor Cheryl Schmidt also addresses widely-used legacy technologies—making this the definitive resource for mastering the tools and technologies you'll

encounter in real IT and business environments. Schmidt's emphasis on both technical and soft skills will help you rapidly become a well-qualified, professional, and customer-friendly technician. LEARN MORE QUICKLY AND THOROUGHLY WITH THESE STUDY AND REVIEW TOOLS: Learning Objectives and chapter opening lists of CompTIA A+ Certification Exam Objectives make sure you know exactly what you'll be learning, and you cover all you need to know Hundreds of photos, figures, and tables present information in a visually compelling full-color design Practical Tech Tips provide real-world IT tech support knowledge Soft Skills best-practice advice and team-building activities in every chapter cover key tools and skills for becoming a professional, customer-friendly technician Review Questions—including true/false, multiple choice, matching, fill-in-the-blank, and open-ended questions—carefully assess your knowledge of each learning objective Thought-provoking activities help students apply and reinforce chapter content, and allow instructors to “flip” the classroom if they choose Key Terms identify exam words and phrases associated with each topic Detailed Glossary clearly defines every key term Dozens of Critical Thinking Activities take you beyond the facts to deeper understanding Chapter Summaries recap key concepts for more efficient studying Certification Exam Tips provide insight into the certification exam and preparation process

### **VMware Certified Professional Data Center Virtualization on vSphere 6.7 Study Guide**

Offering a wealth of hands-on activities, MCSA Guide to Administering Microsoft Windows Server 2012/R2, Exam 70-411 empowers students to successfully pass the MCSE/MCSA certification exam while preparing them to face the real-world challenges of a Microsoft networking professional. This engaging, four-color text equips readers with the skills necessary to manage a Windows Server 2012 system with a focus on administration. Comprehensive coverage includes server deployment and maintenance, advanced file services, remote access, network access protection, Group Policy, Active Directory, DNS and much more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

### **Guide to Parallel Operating Systems with Windows 10 and Linux**

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CISSP exam success with the CISSP Cert Guide from Pearson IT Certification, a leader in IT Certification. Master CISSP exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks CISSP Cert Guide is a best-of-breed exam study guide. Leading IT certification experts Troy McMillan and Robin Abernathy share 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. You'll get a complete test preparation

routine organized around proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. This study guide helps you master all the topics on the CISSP exam, including Access control Telecommunications and network security Information security governance and risk management Software development security Cryptography Security architecture and design Operation security Business continuity and disaster recovery planning Legal, regulations, investigations, and compliance Physical (environmental) security

### **VMware Private Cloud Computing with VCloud Director**

Learners will master the skills necessary to launch and complete a successful computer investigation with the updated fourth edition of this popular book, *GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS*. This resource guides readers through conducting a high-tech investigation, from acquiring digital evidence to reporting its findings. Updated coverage includes new software and technologies as well as up-to-date reference sections. Learn how to set up a forensics lab, how to acquire the proper and necessary tools, and how to conduct the investigation and subsequent digital analysis. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

### **IT Architect: Foundation in the Art of Infrastructure Design: A Practical Guide for IT Architects**

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](http://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 PowerCLI

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.

## Guide to Computer Forensics and Investigations

Master PowerCLI to automate all aspects of VMware environments About This Book Leverage PowerCLI to perform administration tasks in a more effective and efficient way Escape from daily tedious and repetitive tasks by unleashing the full potential of your creative side through scripting Master the intricate workings of PowerShell and PowerCLI through easy and real-life examples Who This Book Is For If you are a system administrator with working knowledge of PowerShell and PowerCLI who wants to perform quick and easy scripting but at the same time achieve complex results and write production grade scripts, then this book is for you. What You Will Learn Use GitHub for collaboration and Pester to automate unit tests Write advanced reusable functions and dynamic variables and learn about error handling in PowerShell Automate ESXi host installation using Auto-Deploy, host profile, and host image Implement security best practices in a vSphere data center Manage SRM, vCloud Air, and vRealize Operations environments Access and utilize vSphere APIs to manage advanced aspects of vSphere and work with .NET view objects Utilize REST APIs to manage vRealize Automation environments Create a Windows GUI through the use of PowerShell and Sapien PrimalForms CE In Detail Have you ever wished that every morning you could automatically get a report with all the relevant information about your datacenter in exactly the same format you want? Or whether you could automate that boring, exhausting task? What if some crucial task needs to be performed on a regular basis without any error? PowerCLI scripts do all that and much more for VMware environments. It is built on top of the popular Windows PowerShell, with which you can automate server tasks and reduce manual input, allowing you to focus on more important tasks. This book will help you to achieve your goals by starting with a short refresher on PowerShell and PowerCLI and then covering the nuances of advanced functions and reusable scripts. Next you will learn how to build a vSphere-powered virtualized datacenter using PowerCLI while managing different aspects of the environment including automated installation, network, and storage. You will then manage different logical constructs of vSphere environment and different aspects of a virtual machine. Later, you will implement the best practices for a security implementation in vSphere Environment through PowerCLI before discovering how to manage other VMware environments such as SRM, vCloud Director and vCloud Air through PowerCLI. You will also learn to manage vSphere environments using advanced properties by accessing vSphere API and REST APIs through PowerCLI. Finally, you will build a Windows GUI application using PowerShell followed by a couple of sample scripts for reporting and managing vSphere environments with detailed explanations of the scripts. By the end of the book, you will have the required in-depth knowledge to master the art of PowerCLI scripting. Style and approach In this book, every topic is explained in a very easy-to-follow fashion with real-life, simple examples so that you get an idea of not only the topic but also the context in which it should be used or where it can be best utilized.

## Mastering VMware vSphere 6.7

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

### **A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide-Sixth Edition / Agile Practice Guide Bundle (HINDI)**

Offers information on cloud theory and strategies and includes information on how to build and deliver a private cloud using VMware vCloud Director 5.1.

### **Complete A+ Guide to IT Hardware and Software**

The second edition of Rob's Guide to Using VMWare continues where the author stopped with the first edition. New topics covered in the book are VMWare ACE and VMWare GSX Server. The book now also contains information on VMWare and Linux. This new edition features an overview of the new version 5 of VMWare Workstation. Many topics which were included in the first edition have been updated.

### **Hands-on Guide to the Red Hat Exams**

Prepare for success on the New Cloud Essentials+ Exam (CLO-002) The latest title in the popular Sybex Study Guide series, CompTIA Cloud Essentials+ Study Guide helps candidates prepare for taking the NEW CompTIA Cloud Essentials+ Exam (CLO-002). Ideal for non-technical professionals in IT environments, such as marketers, sales people, and business analysts, this guide introduces cloud technologies at a foundational level. This book is also an excellent resource for those with little previous knowledge of cloud computing who are looking to start their careers as cloud administrators. The book covers all the topics needed to succeed on the Cloud Essentials+ exam and provides knowledge and skills that any cloud computing professional will need to be familiar with. This skill set is in high demand, and excellent careers await in the field of cloud computing. Gets you up to speed on fundamental cloud computing concepts and technologies Prepares IT professionals and those new to the cloud for the CompTIA Cloud Essentials+ exam objectives Provides practical information on making decisions about cloud technologies and their business impact Helps candidates evaluate business use cases, financial impacts, cloud technologies, and deployment models Examines various models for cloud computing implementation, including public and private clouds Identifies strategies for implementation on tight budgets Inside is everything candidates need to know about cloud concepts, the business principles of cloud environments, management and technical operations, cloud security, and more. Readers will also have access to Sybex's superior online interactive learning environment and test bank, including chapter tests, practice exams, electronic flashcards, and a glossary of key terms.

### **Mastering VMware vSphere 6**

Keen to build web applications for the cloud? Get a quick hands-on introduction to OpenShift, the open source Platform as a Service (PaaS) offering from Red Hat. With this practical guide, you'll learn the steps necessary to build, deploy, and host a complete real-world application on OpenShift without having to slog through long, detailed explanations of the technologies involved. OpenShift enables you to use Docker application containers and the Kubernetes cluster manager to automate the way you create, ship, and run applications. Through the course of the book, you'll learn how to use OpenShift and the Wildfly application server to build and then immediately deploy a Java application online. Learn about OpenShift's core technology, including Docker-based containers and Kubernetes Use a virtual machine with OpenShift installed and configured on your local environment Create and deploy your first application on the OpenShift platform Add language

runtime dependencies and connect to a database Trigger an automatic rebuild and redeployment when you push changes to the repository Get a working environment up in minutes with application templates Use commands to check and debug your application Create and build Docker-based images for your application

### **MCSA Guide to Administering Microsoft Windows Server 2012/R2, Exam 70-411**

VCP-DCV Official Cert Guide, Fourth Edition helps you systematically prepare for your VCP-DCV 2020 exam by mastering all key exam objectives associated with vSphere v.6.7. Thoroughly updated for the VMware 2020 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 6.7 Cookbook**

CCNA Data Center DCICT 640-916 Official Cert Guide CCNA Data Center DCICT 640-916 Official Cert Guide from Cisco Press enables you to succeed on the exam the first time and is the only self-study resource approved by Cisco. A team of leading Cisco data center experts shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. This complete, official study package includes --A test-preparation routine proven to help you pass the exam --“Do I Know This Already?” quizzes, which enable you to decide how much time you need to spend on each section --Part-ending exercises, which help you drill on key concepts you must know thoroughly

--The powerful Pearson IT Certification Practice Test software, complete with hundreds of well-reviewed, exam-realistic questions, customization options, and detailed performance reports --Study plan suggestions and templates to help you organize and optimize your study time --A final preparation chapter that guides you through tools and resources to help you craft your review and test-taking strategies Well regarded for its level of detail, study plans, assessment features, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that ensure your exam success. The official study guide helps you master topics on the CCNA Data Center DCICT 640-916 exam, including --Cisco data center concepts: architectures, devices, layers, modular design, vPC, FabricPath, Cisco Nexus switches, and more --Data center unified fabric: FCoE, multihop, VIFs, FEX, and setup --Storage networking: concepts, targets, verification, connectivity, zoning, setup, and configuration --Data center virtualization: servers, devices, and Nexus 1000V, including setup and operations --Cisco Unified Computing: concepts, discovery, connectivity, setup, and UCSM --Data center network services: ACE load balancing, virtual context, HA, management, global/local solutions, and WAAS The CD-ROM contains more than 450 practice questions for the exam, memory table exercises and answer keys, and a study planner tool. Includes Exclusive Offer for 70% Off Premium Edition eBook and Practice Test Pearson IT Certification Practice Test minimum system requirements: Windows XP (SP3), Windows Vista (SP2), Windows 7, or Windows 8; Microsoft .NET Framework 4.0 Client; Pentium class 1GHz processor (or equivalent); 512 MB RAM; 650 MB disk space plus 50 MB for each downloaded practice exam; access to the Internet to register and download exam databases

## Hands on Virtual Computing

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.

## CISSP Cert Guide

A clear, comprehensive guide to VMware's latest virtualization solution Mastering VMware NSX for vSphere is the ultimate guide to VMware's network security virtualization platform. Written by a rock star in the VMware community, this book offers invaluable guidance and crucial reference for every facet of NSX, with clear explanations that go far beyond the public documentation. Coverage includes NSX architecture, controllers, and edges; preparation and deployment; logical switches; VLANs and VXLANs; logical routers; virtualization; edge network services; firewall security; and much more to help you take full advantage of the platform's many features. More and more organizations are recognizing both the need for stronger network security and the powerful solution that is NSX; usage has doubled in the past year alone, and that trend is projected to grow—and these organizations need qualified professionals who know how to work effectively with the NSX platform. This book covers everything you need to know to exploit the platform's full functionality so you can: Step up security at the application level Automate security and networking services Streamline infrastructure for better continuity Improve compliance by isolating systems that handle sensitive data VMware's NSX provides advanced security tools at a lower cost than traditional networking. As server virtualization has already become a de facto standard in many circles, network virtualization will follow quickly—and NSX positions VMware in the lead the way vSphere won the servers. NSX allows you to boost security at a granular level, streamline compliance, and build a more robust defense against the sort of problems that make headlines. Mastering VMware NSX for vSphere helps you get up to speed quickly and put this powerful platform to work for your organization.

### **VMware vSphere Design**

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.

### **Essential Virtual San**

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

### **OpenShift for Developers**

Learn how to work with the Automate feature of CloudForms, the powerful Red Hat cloud management platform that lets you administer your virtual infrastructure, including hybrid public and private clouds. This practical hands-on introduction shows you how to increase your operational efficiency by automating day-to-day tasks that now require manual input. Throughout the book, author Peter McGowan provides a combination of theoretical information and practical coding examples to help you learn the Automate object model. With this CloudForms feature, you can create auto-scalable cloud applications, eliminate manual decisions and operations when provisioning virtual machines and cloud instances, and manage your complete virtual machine lifecycle. In six parts, this book helps you: Learn the objects and concepts for developing automation scripts with CloudForms Automate Customize the steps and workflows involved in provisioning virtual machines Create and use service catalogs, items, dialogs, objects, bundles, and hierarchies Use CloudForm's updated workflow to retire and delete virtual machines and services Orchestrate and coordinate with external services as part of a workflow Explore distributed automation processing as well as argument passing and handling

## VMware vSphere For Dummies

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 VMware vSphere provides a powerful, flexible and secure foundation for next-generation applications and datacenters that help you with your digital transformation efficiently. Mastering VMware vSphere, 6.7, Second Edition begins by covering an overview of all the products, solutions and features of the vSphere 6.7 suite, comparing the evolutions with the previous releases. You'll learn to design and plan a virtualization infrastructure to drive performance analysis and then proceed with the workflow and installation of components. Along with new network trends that will help you in optimally designing the vSphere environment, you will also learn the best practices involved in configuring and managing virtual machines in a vSphere infrastructure. With vSphere 6.7, you'll make use of more powerful capabilities for patching, upgrading and managing the configuration of the virtual environment. The concluding chapters focus on core vSphere components as storage and network and you will learn all you need about resource management followed by topics as high availability and disaster recovery, troubleshooting, monitoring and security. By the end the book you will discover different approaches on how to build your own VMware vSphere lab to help you run even the most demanding workloads What you will learn Get a deep understanding of vSphere 6.7 functionalities Design a virtualization environment based on VMware vSphere 6.7 Manage and administer a vSphere 6.7 environment and resources Get tips for the VCP6-DCV and VCIX6-DCV exams Implement different migration techniques across different environments Deploy and understand different concepts of VMware vSphere 6.7 lab Who this book is for If you are an administrator, infrastructure engineer, IT architect, or an IT consultant who has basic knowledge of VMware vSphere and now wants to master it, then this book is for you.

## Mastering CloudForms Automation

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](http://www.vmware.com/training).

### **Mastering VMware vSphere 5.5**

"The VCAP5-DCA Official Cert 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 "Review Tasks" help you drill on key concepts you must know thoroughly. Master VMware VCAP5-DCA exam topics Assess your knowledge with chapter-opening quizzes and review tasks Review key concepts with exam preparation tasks Practice with realistic exam preparation scenarios "The VCAP5-DCA Official Cert Guide" focuses specifically on the objectives for the VMware Certified Advanced Professional 5 -- Data Center Administration. VMware Certified Instructors (VCI) Steve Baca and John Davis share 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. This Official Cert Guide comes with access to one set of original practice scenarios designed to prepare you for the experience of the real exam and get you comfortable executing the scenarios in order to complete them in the limited amount of time during the actual test. Content on the practice scenarios maps to the VCAP blueprint and is relevant to both the VCAPDCA510 and VCAPDCA550 exams. All the scenarios are based on real world experiences, where administration tasks that are covered by the exam, may need to be applied. 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 many of the topics on the VCAP5-DCA exam, including: Using administrator tools such as the vSphere Client, ESXCLI, vmkfstools, ESXTOP, vCLI, vMA, and PowerCLI. Understanding the networking features that are available in vSphere, such as VLAN, PVLANs, and Netflow. Managing vSphere features and technologies that can be used to provide solutions to various storage challenges. Understanding performance tuning, optimization and troubleshooting. Carrying out a cluster configuration, troubleshoot, and management of a vSphere Cluster. Performing patch management and updating of ESXi hosts, virtual machine hardware, VMware Tools, and virtual appliances using VMware Update Manager. Recognizing how logging works for both ESXi hosts and the vCenter Server Identifying the different methods to secure your vSphere environment. Making sense of Auto Deploy and how its moving parts work. "The VCAP5-DCA Official Cert Guide" is part of a recommended learning

## Golf

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.

## CCNA Cloud Complete Study Guide

Learn virtualization skills by building your own virtual machine Virtualization Essentials, Second Edition provides new and aspiring IT professionals with immersive training in working with virtualization environments. Clear, straightforward discussion simplifies complex concepts, and the hands-on tutorial approach helps you quickly get up to speed on the fundamentals. You'll begin by learning what virtualization is and how it works within the computing environment, then you'll dive right into building your own virtual machine. You'll learn how to set up the CPU, memory, storage, networking, and more as you master the skills that put you in-demand on the job market. Each chapter focuses on a specific goal, and concludes with review questions that test your understanding as well as suggested exercises that help you reinforce what you've learned. As more and more companies are leveraging virtualization, it's imperative that IT professionals have the skills and knowledge to interface with virtualization-centric infrastructures. This book takes a learning-by-doing approach to give you hands-on training and a core understanding of virtualization. Understand how virtualization works Create a virtual machine by scratch and migration Configure and manage basic components and supporting devices Develop the necessary skill set to work in today's virtual world Virtualization was initially used to build test labs, but its use has expanded to become best practice for a tremendous variety of IT solutions including high availability, business continuity, dynamic IT, and more. Cloud computing and DevOps rely on virtualization technologies, and the exponential spread of these and similar applications make virtualization proficiency a major value-add for any IT professional. Virtualization Essentials, Second Edition provides accessible, user-friendly, informative virtualization training for the forward-looking pro.

## The Complete VMware vSphere Guide

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.

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

Master every topic on Red Hat's new RHCSA™ and RHCE® exams. Assess your knowledge and focus your learning. Get the practical workplace knowledge you need! Start-to-finish RHCSA™ and RHCE® preparation from leading Linux system administrator, IT trainer, and certification expert Damian Tommasino! Master every RHCSA™ and RHCE® topic! Red Hat Enterprise Linux 6 local and network installation System services, runlevels, and bootup Disks, partitions, and file systems, including LUKS encryption Networking Package management User administration Logging, monitoring, and automation

Kernel updates and tuning Security, including SELinux, firewalls, and policies Remote access, including SSH Apache, Squid, DNS, DHCP, NTP, and email NFS and Samba Client and network troubleshooting KVM virtualization Test your knowledge, build your confidence, and succeed! 22 hands-on RHCSA™ and RHCE® Labs, each with multiple real-world tasks Downloadable troubleshooting scripts Practical tutorials and real-world tips Exam tips Red Hat Enterprise Linux 6 Command Quick Reference Exclusive Red Hat exam prep advice and task lists Two full length lab-based practice exams Damian Tommasino (RHCE, RHCSA, MCSA, CCNA, CCENT, MCP, Security+, Network+, A+) is a Linux system administrator at TradeCard and CEO of Modular Learning Inc., an online IT training company. He blogs on Red Hat, Linux, and security at Security Nut (<http://secnut.blogspot.com>), and actively contributes to the popular IT exam certification forums at [techexams.net](http://techexams.net).

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