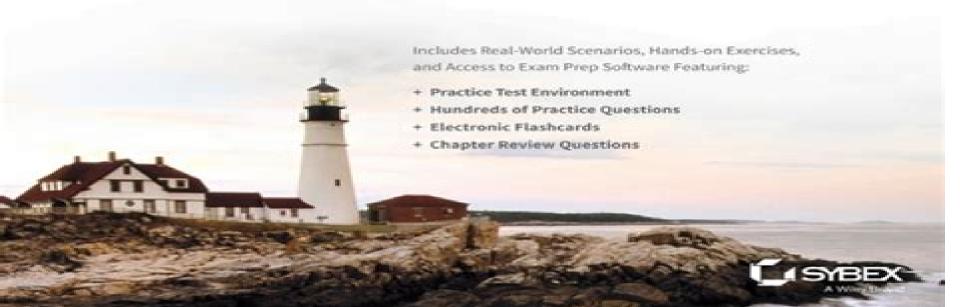
Brian Atkinson

# VCP5-DCV

VMware® Certified Professional-Data Center Virtualization on vSphere 5.5

# STUDY GUIDE

**EXAM VCP-550** 



# **Vmware Vsphere 5 5 Study Guide**

George Trujillo, Charles Kim, Steve Jones, Rommel Garcia, Justin Murray

#### **Vmware Vsphere 5 5 Study Guide:**

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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 VCP VMware Certified Professional on vSphere 4 Review Guide Brian Perry, Chris Huss, Jeantet Fields, Troy McMillan, 2010-10-12 A concise focused study aid to accompany VCP for vSphere 4 Study Guide As organizations seek to cut infrastructure costs virtualization has become a lucrative specialty for IT professionals VCP is the leading virtualization certification and this book is designed to work hand in hand with the VCP for vSphere 4 Study Guide to better prepare VMware pros for the comprehensive exam Filled with review information it helps you deepen your understanding of vSphere the first cloud operating system Virtualization skills are much in demand and VMware professionals become more marketable when they achieve VCP certification this review guide works with other learning tools to increase vSphere knowledge and confidence Offers invaluable help for last minute review Covers planning installing and upgrading ESX ESXi configuring ESX ESXi networking and storage installing and configuring vCenter Server deploying and managing virtual machines and vApps managing compliance establishing service levels and basic troubleshooting CD includes two practice exams flashcards and a searchable glossary of key terms This highly focused Sybex review guide is the perfect study companion to VCP for vSphere 4 Study Guide helping you achieve VCP certification VCP VMware Certified Professional vSphere 4 Study Guide (Exam increased confidence and better job opportunities VCP410) with CD-ROM Robert Schmidt, 2010-05-21 The Best Fully Integrated Study System Available With hundreds of practice guestions and hands on exercises VCP VMware Certified Professional vSphere 4 Study Guide covers what you need to know and shows you how to prepare for this challenging exam 100% complete coverage of all official ojectives for exam VCP410 Inside the Exam sections in every chapter highlighting key exan tipics covered Two minute drills for quick review at the end of every chapter Simulated exam questions match the format tone topics and difficulty of the real exam Covers all the exam topics including vSphere Server Virtualization and the VMware Product Line Installing Upgrading and Configuring ESX Server Installing and Configuring vCenter Server Understanding Networking and Virtual Switches on ESX ESXi Servers Understanding and Configuring Storage on ESX ESXi Servers Creating Deploying and Managing Virtual Machines and vApps Managing Compliance Establishing Service Levels Basic Troubleshooting and Alarm Management CD ROM includes Complete MasterExam practice testing engine featuring One full practice exam Detailed answers with explanations and

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solidify the concepts presented in the book Whether you are preparing for CCDP certification or simply want to gain a better understanding of designing scalable and reliable network architectures you will benefit from the foundation information presented in this book Designing Cisco Network Service Architectures ARCH Foundation Learning Guide Third Edition is part of a recommended learning path from Cisco that includes simulation and hands on training from authorized Cisco Learning Partners and self study products from Cisco Press To find out more about instructor led training e learning and hands on instruction offered by authorized Cisco Learning Partners worldwide please visit www cisco com go authorized training John Tiso CCIE No 5162 CCDP is a Product Manager for Cisco Systems He holds a B S Degree in Computer Science and Mathematics from Adelphi University and a Graduate Citation in Strategic Management from Harvard University John is a published author has served as a technical editor for Cisco Press and has participated as a SME for the CCIE program Prior to Cisco he was a senior consultant and architect in the Cisco partner channel Learn about the Cisco Enterprise Architecture Create highly available campus and data center network designs Develop optimum Layer 3 designs Examine advanced WAN services design considerations Evaluate SAN design considerations Deploy effective e commerce module designs Create effective security services and IPsec and SSL VPN designs Design IP multicast networks Understand the network management capabilities within Cisco IOS Software This book is in the Foundation Learning Guide Series These guides are developed together with Cisco R as the only authorized self paced learning tools that help networking professionals build their understanding of networking concepts and prepare for Cisco certification exams Category Cisco Certification Covers CCDP ARCH 642 874 The The Complete VMware vSphere Guide Mike Brown, Hersey Cartwright, Martin Gavanda, Andrea Mauro, Karel Novak, Paolo Valsecchi, 2019-11-29 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 FeaturesDesign deploy and manage VMware vSphere virtual data centersImplement monitoring and security of VMware workloads with easeExplore tips and techniques for designing a robust virtual infrastructureBook 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

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and Ren Fran ois Mennecier begin by introducing vSphere 5 from the viewpoint of the datacenter manager and professional They present essential definitions advantages and functions review vSphere 5 s architecture and introduce core components such as vCenter Server and ESXi 5 0 Next Maill and Mennecier turn to implementation presenting detailed examples schemas and best practices drawn from their extensive experience They share practical insights into budgeting scheduling and planning choosing the right architecture and integrating vSphere with existing datacenter elements including servers storage clusters network infrastructure and business continuity plans They conclude with a start to finish case study a datacenter virtualization project designed to support specific business objectives Coverage includes Assessing the potential benefits of datacenter virtualization in your environment Organizing and managing a smooth migration to the virtualized datacenter Anticipating specific challenges and risks associated with datacenter virtualization Making tradeoffs to optimize stability elasticity scalability and cost Choosing the best installation configuration options for your environment Effectively linking vSphere 5 virtualization to existing datacenter elements Driving more value from vSphere 5 s powerful new datacenter features Providing storage to efficiently support your hosted VMs now and in the future Managing limited memory and other server constraints Leveraging new options for service continuity and high availability Using backup architecture as a lever to reduce costs Virtualizing Hadoop George Trujillo, Charles Kim, Steve Jones, Rommel Garcia, Justin Murray, 2015-07-14 Plan and Implement Hadoop Virtualization for Maximum Performance Scalability and Business Agility Enterprises running Hadoop must absorb rapid changes in big data ecosystems frameworks products and workloads Virtualized approaches can offer important advantages in speed flexibility and elasticity Now a world class team of enterprise virtualization and big data experts guide you through the choices considerations and tradeoffs surrounding Hadoop virtualization The authors help you decide whether to virtualize Hadoop deploy Hadoop in the cloud or integrate conventional and virtualized approaches in a blended solution First Virtualizing Hadoop reviews big data and Hadoop from the standpoint of the virtualization specialist The authors demystify MapReduce YARN and HDFS and guide you through each stage of Hadoop data management Next they turn the tables introducing big data experts to modern virtualization concepts and best practices Finally they bring Hadoop and virtualization together guiding you through the decisions you ll face in planning deploying provisioning and managing virtualized Hadoop From security to multitenancy to day to day management you ll find reliable answers for choosing your best Hadoop strategy and executing it Coverage includes the following Reviewing the frameworks products distributions use cases and roles associated with Hadoop Understanding YARN resource management HDFS storage and I O Designing data ingestion movement and organization for modern enterprise data platforms Defining SQL engine strategies to meet strict SLAs Considering security data isolation and scheduling for multitenant environments Deploying Hadoop as a service in the cloud Reviewing the essential concepts capabilities and terminology of virtualization Applying current best practices guidelines and key metrics for Hadoop virtualization Managing

multiple Hadoop frameworks and products as one unified system Virtualizing master and worker nodes to maximize availability and performance Installing and configuring Linux for a Hadoop environment CCNA Data Center: Introducing Cisco Data Center Technologies Study Guide Todd Lammle, Todd Montgomery, 2016-03-17 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 Complete theory and practice for the CCNA Data Center Technologies exam CCNA Data Center Introducing Cisco Data Center Technologies Study Guide is your comprehensive study guide for exam 640 916 Authors Todd Lammle and Todd Montgomery authorities on Cisco networking guide you through 100% of all exam objectives with expanded coverage of key exam topics and hands on labs that help you become confident in dealing with everyday challenges You ll get access to the free Nexus switch simulator that allows you to try your hand at what you ve learned without expensive software plus bonus study aids such as electronic flashcards a practice exam and a searchable PDF glossary of terms Coverage includes Data Center networking and virtualization storage networking unified fabric Cisco UCS configuration Data Center services and much more for complete exam preparation This is your guide to study for the entire second and final exam required for certification Review networking principles products and technologies Understand Nexus 1000V and Data Center virtualization Learn the principles and major configurations of Cisco UCS Practice hands on solutions you ll employ on the job Prepare for using Cisco s Unified Data Center which unifies computing storage networking and management resources CompTIA Network+ Review Guide Jon Buhagiar, 2018-04-10 Essential last minute review aid for the updated CompTIA Network Exam N10 007 CompTIA Network Review Guide Exam N10 007 4th Edition is your ideal study companion for preparing for the CompTIA Network exam N10 007 Organized by exam objectives this is a focused concise review guide that works hand in hand with any learning tool including the Sybex CompTIA Network Study Guide CompTIA Network Deluxe Study Guide and CompTIA Network Practice Tests The book is broken into 5 parts each part corresponding to one of the 5 objective domain areas of the Network exam Network Architecture Network Operations Network Security Troubleshooting and Industry Standards Practices and Network Theory Readers will also be given access to the comprehensive online Sybex test bank which includes two bonus practice tests electronic flashcards and a glossary of terms that you ll need to know come exam day CompTIA's Network certification covers advances in networking technology and reflects changes in associated job tasks The exam places greater emphasis on network implementation and support and includes expanded coverage of wireless networking topics This review guide gives you the opportunity to identify your level

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