
Vsphere High Performance Cookbook

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RIYA YOUNG

Mastering VMware vSphere 6.7 Packt
Publishing Ltd

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

make referencing easy, and chapter-ending Exam Preparation Tasks help you drill on the key concepts you must know thoroughly. The companion website contains a powerful Pearson IT Certification Practice Test engine that enables you to focus on individual topic areas or take a complete, timed exam. The assessment engine tracks your performance and provides feedback on a module-by-module basis, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Leading VMware consultants, trainers, and data center experts John A. Davis, Steve Baca, and Owen Thomas share preparation hints and test-taking tips, helping you identify areas of weakness and improve conceptual

knowledge and hands-on skills. Material is presented concisely, focusing on promoting understanding and retention. Coverage includes: vSphere prerequisites Storage and network infrastructure (physical and virtual) vCenter Server features Clusters and virtual machines VMware product integration High availability solutions Securing vSphere Planning and performing vSphere installations Configuring vSphere (SSO and Virtual Networking) Monitoring resources VM configuration and performance Managing networking, storage, security, clusters, resources, vCenter Server, and VMs Well regarded for its detail, assessment features, comprehensive scenarios, and challenging review questions and exercises, this official study

guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time.

System Center 2016 Virtual Machine Manager Cookbook, Packt Publishing Ltd
 Design a virtualized data center with VMware vSphere 6.7 Key Features Get the first book on the market that helps you design a virtualized data center with VMware vSphere 6.7 Learn how to create professional vSphere design documentation to ensure a successful implementation A practical guide that will help you apply infrastructure design principles to vSphere design Book Description VMware is the industry leader in data center virtualization. The vSphere 6.x suite of products provides a robust and resilient platform to virtualize server and application workloads. This book uses proven infrastructure design principles and applies them to VMware vSphere 6.7 virtual data center design through short and focused recipes on each design aspect. The second edition of this book focused on vSphere 6.0. vSphere features released since then necessitate an updated design guide, which includes recipes for upgrading to 6.7, vCenter HA;

operational improvements; cutting-edge, high-performance storage access such as RDMA and Pmem; security features such as encrypted vMotion and VM-level encryption; Proactive HA; HA Orchestrated Restart; Predictive DRS; and more. By the end of the book, you will be able to achieve enhanced compute, storage, network, and management capabilities for your virtual data center. What you will learn 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 Design for performance, availability, recoverability, manageability, and security Map the logical resource design into the physical vSphere design Create professional vSphere design documentation Who this book is for If you are an administrator or consultant interested in designing virtualized data center environments using VMware vSphere 6.x (or previous versions of vSphere and the supporting components), this book is for you. Downloading the example code for this book You can download the example code

files for all Packt books you have purchased from your account at <http://www.PacktPub.com>. If you purchased this book elsewhere, you can visit <http://www.PacktPub.com/support> and register to have the files e-mailed directly to you.

VMware VSphere 6.5 Cookbook - Third Edition Syngress

SQL server is the most widely-used database platform in the world, and a large percentage of these databases are not properly secured, exposing sensitive customer and business data to attack. In *Securing SQL Server, Third Edition*, you will learn about the potential attack vectors that can be used to break into SQL server databases as well as how to protect databases from these attacks. In this book, Denny Cherry - a Microsoft SQL MVP and one of the biggest names in SQL server - will teach you how to properly secure an SQL server database from internal and external threats using best practices as well as specific tricks that the author employs in his role as a consultant for some of the largest SQL server deployments in the world. Fully updated to cover the latest technology in SQL Server

2014, this new edition walks you through how to secure new features of the 2014 release. New topics in the book include vLANs, setting up RRAS, anti-virus installs, key management, moving from plaintext to encrypted values in an existing application, securing Analysis Services Objects, Managed Service Accounts, OS rights needed by the DBA, SQL Agent Security, Table Permissions, Views, Stored Procedures, Functions, Service Broker Objects, and much more. Presents hands-on techniques for protecting your SQL Server database from intrusion and attack Provides the most in-depth coverage of all aspects of SQL Server database security, including a wealth of new material on Microsoft SQL Server 2014. Explains how to set up your database securely, how to determine when someone tries to break in, what the intruder has accessed or damaged, and how to respond and mitigate damage if an intrusion occurs.

Networking for VMware

Administrators Packt Publishing Ltd
vSphere High Performance Cookbook is written in a practical, helpful style with numerous recipes focusing on answering and providing solutions to common, and

not-so common, performance issues and problems. The book is primarily written for technical professionals with system administration skills and some VMware experience who wish to learn about advanced optimization and the configuration features and functions for vSphere 5.1.

Multi-Cloud Architecture and Governance Pearson Education

Learn deployment and configuration of Unity Storage
DESCRIPTION Dell EMC Unity is a powerful midrange storage array with high-performance and deployment flexibility; it is available in the Hybrid model and All-Flash model. This solution is recommended for a mixed workload environment, remote office, and small-sized deployment. Unity systems are designed to have simple and easy implementation, configuration, and administration. In this book, the reader will get an overview of Dell EMC Unity Hybrid and All-Flash storage. This book includes seven chapters, wherein you will learn the hardware installation of Unity storage and UnityVSA deployment, storage provisioning, data protection, and data replication across two Unity systems. The

reader will also learn how to migrate Block data to Dell EMC Unity storage from the source storage using a data migration methodology.
KEY FEATURES ● Overview of Dell EMC Unity Hybrid and All-Flash storage ● Deployment of Dell EMC Unity storage and UnityVSA ● Management of Dell EMC Unity storage ● Data protection on EMC Unity storage ● Data replication across EMC Unity storage ● Data Migration across EMC Unity storage
WHAT WILL YOU LEARN By the end of the book, you will have knowledge of various features of Dell EMC Unity storage, e.g., deployment, storage provisioning, and data protection and replication. Finally, you will learn a different migration methodology to migrate data to Unity storage from the source storage.
WHO THIS BOOK IS FOR The book is intended for anyone wanting to learn the plan and design of Dell EMC Unity storage. Storage administrators and architects, in particular, can learn about storage provisioning, data protection, and data migration in this book.
Table of Contents
1. Dell EMC Unity Overview
2. Dell EMC Unity Installation
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4. Dell

EMC Unity Data Protection 5. Dell EMC Unity Replication 6. Host Connectivity of Dell EMC Unity 7. Data Migration to Dell EMC Unity

VMware vSphere 6.x Datacenter Design Cookbook "O'Reilly Media, Inc."

Proven, actionable ways to install, manage, secure and monitor your vSphere 6.7 environments Key Features Get up to speed with the installation and life cycle management of a vSphere 6.7 environment, using a task-based approach Secure your vSphere environment using SSL Certificates Get introduced to the tools that are used to monitor the performance of the vSphere Environment Book Description VMware vSphere is the most comprehensive core suite of SDDC solutions on the market. It helps transform data centers into simplified on-premises private cloud infrastructures. This edition of the book focuses on the latest version, vSphere 6.7. The book starts with chapters covering the greenfield deployment of vSphere 6.7 components and the upgrade of existing vSphere components to 6.7. You will then learn how to configure storage and network access for a vSphere environment. Get to

grips with optimizing your vSphere environment for resource distribution and utilization using features such as DRS and DPM, along with enabling high availability for vSphere components using vSphere HA, VMware FT, and VCHA. Then, you will learn how to facilitate large-scale deployment of stateless/stateful ESXi hosts using Auto Deploy. Finally, you will explore how to upgrade/patch a vSphere environment using vSphere Update Manager, secure it using SSL certificates, and then monitor its performance with tools such as vSphere Performance Charts and esxtop. By the end of this book, you'll be well versed in the core functionalities of vSphere 6.7 and be able to effectively deploy, manage, secure, and monitor your environment. What you will learn Deploy a new vSphere 6.7 environment or upgrade an existing vSphere environment to version 6.7 Learn how to configure and manage storage and network access for a vSphere environment Enable high availability for Hosts, VMs and vCenter Server Optimize your vSphere environment for resource distribution/utilization Patch or upgrade a vSphere environment using vSphere

Update Manager Secure vSphere infrastructure components using SSL certificates Effectively monitor the performance of your vSphere environment Who this book is for If you are a systems administrator, support engineer, or anyone who wants to learn how to install, configure, and manage a vSphere environment in a quick, hands-on manner, then this book is for you. Consultants and infrastructure architects who wish to design and deploy vSphere 6.7 environments will also find this b...

VMware vSphere Design Essentials Packt Publishing Ltd

Enterprise Network Testing Testing Throughout the Network Lifecycle to Maximize Availability and Performance Andy Sholomon, CCIE® No. 15179 Tom Kunath, CCIE No. 1679 The complete guide to using testing to reduce risk and downtime in advanced enterprise networks Testing has become crucial to meeting enterprise expectations of near-zero network downtime. Enterprise Network Testing is the first comprehensive guide to all facets of enterprise network testing. Cisco enterprise consultants Andy Sholomon and Tom Kunath offer a

complete blueprint and best-practice methodologies for testing any new network system, product, solution, or advanced technology. Sholomon and Kunath begin by explaining why it is important to test and how network professionals can leverage structured system testing to meet specific business goals. Then, drawing on their extensive experience with enterprise clients, they present several detailed case studies. Through real-world examples, you learn how to test architectural “proofs of concept,” specific network features, network readiness for use, migration processes, security, and more. Enterprise Network Testing contains easy-to-adapt reference test plans for branches, WANs/MANs, data centers, and campuses. The authors also offer specific guidance on testing many key network technologies, including MPLS/VPN, QoS, VoIP, video, IPsec VPNs, advanced routing (OSPF, EIGRP, BGP), and Data Center Fabrics. § Understand why, when, and how you should test your network § Use testing to discover critical network design flaws § Incorporate structured systems testing into enterprise architecture strategy §

Utilize testing to improve decision-making throughout the network lifecycle § Develop an effective testing organization and lab facility § Choose and use test services providers § Scope, plan, and manage network test assignments § nLeverage the best commercial, free, and IOS test tools § Successfully execute test plans, including crucial low-level details § Minimize the equipment required to test large-scale networks § Identify gaps in network readiness § Validate and refine device configurations § Certify new hardware, operating systems, and software features § Test data center performance and scalability § Leverage test labs for hands-on technology training This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers. Getting Started with Unity 5.x 2D Game Development BPB Publications Proven, actionable ways to install, manage, secure and monitor your vSphere 6.7 environments Key FeaturesGet up to speed with the installation and life cycle

management of a vSphere 6.7 environment, using a task-based approachSecure your vSphere environment using SSL CertificatesGet introduced to the tools that are used to monitor the performance of the vSphere EnvironmentBook 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.

Operationalizing VMware NSX Pearson Education

"Now that virtualization has blurred the lines between networking and servers, many VMware specialists need a stronger understanding of networks than they may have gained in earlier IT roles. Networking for VMware administrators fills this crucial knowledge gap. Writing for VMware professionals, Christopher Wahl and Steve Pantol illuminate the core concepts of modern networking, and show how to apply them in designing, configuring, and troubleshooting any virtualized network environment"--Page 4 of cover

[VMware vSphere 6.7 Data Center Design Cookbook](#) Packt Publishing Ltd

vSphere allows you to transform your IT infrastructure into a private cloud, then bridge it to public clouds on demand, delivering an IT infrastructure as an easily accessible service. This book is a fast-paced guide that enables you to explore and harness the vast potential of VMware vSphere. The book begins by providing you with a rapid introduction to VMware

vSphere architecture and the major considerations for VMware vSphere design. Beginning with the essentials of VMware vSphere, it will get you started with VMware ESXi host, cluster, vCenter and patterns that are required to be applied while designing your VMware vSphere. As you progress through the chapters, you will learn about analyzing the key components that are needed for a network. By the end of the book, you will have also learned about the major factors influencing vCloud needs and have finalized the requirements for designing a vCloud.

[VMware vSphere 6.7 Cookbook](#) "O'Reilly Media, Inc."

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.

Mastering VMware vSphere 6.7 Packt

Publishing Ltd

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

The Complete VMware vSphere Guide
Packt Publishing Ltd

This concise guide follows a practical approach, covering solutions and methods to manage resources for virtualization. If you are a current vSphere administrator who is aspiring to start your virtualization journey with VMware vSphere and wants to learn how to manage your resources, this is the book for you. Readers are expected to have some prior knowledge of ESXi and vCenter.

Virtualizing and Tuning Large-scale

Java Platforms Packt Publishing Ltd

A comprehensive guide to architecting, managing, implementing, and controlling multi-cloud environments

Key Features

- Deliver robust multi-cloud environments and improve your business productivity
- Stay in control of the cost, governance, development, security, and continuous improvement of your multi-cloud solution
- Integrate different solutions, principles, and practices into one multi-

cloud foundation

Book Description

Multi-cloud has emerged as one of the top cloud computing trends, with businesses wanting to reduce their reliance on only one vendor. But when organizations shift to multiple cloud services without a clear strategy, they may face certain difficulties, in terms of how to stay in control, how to keep all the different components secure, and how to execute the cross-cloud development of applications. This book combines best practices from different cloud adoption frameworks to help you find solutions to these problems. With step-by-step explanations of essential concepts and practical examples, you'll begin by planning the foundation, creating the architecture, designing the governance model, and implementing tools, processes, and technologies to manage multi-cloud environments. You'll then discover how to design workload environments using different cloud propositions, understand how to optimize the use of these cloud technologies, and automate and monitor the environments. As you advance, you'll delve into multi-cloud governance, defining clear demarcation models and management

processes. Finally, you'll learn about managing identities in multi-cloud: who's doing what, why, when, and where

By the end of this book, you'll be able to create, implement, and manage multi-cloud architectures with confidence

What you will learn

- Get to grips with the core functions of multiple cloud platforms
- Deploy, automate, and secure different cloud solutions
- Design network strategy and get to grips with identity and access management for multi-cloud
- Design a landing zone spanning multiple cloud platforms
- Use automation, monitoring, and management tools for multi-cloud
- Understand multi-cloud management with the principles of BaseOps, FinOps, SecOps, and DevOps
- Define multi-cloud security policies and use cloud security tools
- Test, integrate, deploy, and release using multi-cloud CI/CD pipelines

Who this book is for

This book is for architects and lead engineers involved in architecting multi-cloud environments, with a focus on getting governance right to stay in control of developments in multi-cloud. Basic knowledge of different cloud platforms (Azure, AWS, GCP, VMWare, and OpenStack) and understanding of IT

governance is necessary.

VMware vSphere 6.7 Cookbook - Fourth Edition IBM Redbooks

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 ...

VCP-DCV Official Cert Guide Packt Publishing Ltd

Design and administer enterprise-grade MySQL 8 solutions Key Features Store, retrieve, and manipulate your data using the latest MySQL 8 features Practical recipes on effective administration in MySQL, with a focus on security, performance tuning, troubleshooting, and more Contains tips, tricks, and best practices for designing, developing, and administering your MySQL 8 database solution without any hassle Book Description MySQL is one of the most popular and widely used relational databases in the World today. The recently released MySQL 8 version promises to be

better and more efficient than ever before. This book contains everything you need to know to be the go-to person in your organization when it comes to MySQL. Starting with a quick installation and configuration of your MySQL instance, the book quickly jumps into the querying aspects of MySQL. It shows you the newest improvements in MySQL 8 and gives you hands-on experience in managing high-transaction and real-time datasets. If you've already worked with MySQL before and are looking to migrate your application to MySQL 8, this book will also show you how to do that. The book also contains recipes on efficient MySQL administration, with tips on effective user management, data recovery, security, database monitoring, performance tuning, troubleshooting, and more. With quick solutions to common and not-so-common problems you might encounter while working with MySQL 8, the book contains practical tips and tricks to give you the edge over others in designing, developing, and administering your database effectively. What you will learn Install and configure your MySQL 8 instance without any hassle Get to grips with new features

of MySQL 8 like CTE, Window functions and many more Perform backup tasks, recover data and set up various replication topologies for your database Maximize performance by using new features of MySQL 8 like descending indexes, controlling query optimizer and resource groups Learn how to use general table space to suit the SaaS or multi-tenant applications Analyze slow queries using performance schema, sys schema and third party tools Manage and monitor your MySQL instance and implement efficient performance-tuning tasks Who this book is for If you are a MySQL developer or administrator looking for quick, handy solutions to solve the most common and not-so-common problems in MySQL, this book is for you. MySQL DBAs looking to get up-to-speed with the latest MySQL 8 development and administration features will also find this book very useful. Prior knowledge of Linux and RDBMS is desirable.

VMware vSphere Resource Management Essentials Packt Publishing Ltd

Exciting projects that will teach you how complex data can be exploited to gain maximum insights About This Book

Architect a good HBase cluster for a very large distributed system Get to grips with the concepts of performance tuning with HBase A practical guide full of engaging recipes and attractive screenshots to enhance your system's performance Who This Book Is For This book is intended for developers and architects who want to know all about HBase at a hands-on level. This book is also for big data enthusiasts and database developers who have worked with other NoSQL databases and now want to explore HBase as another futuristic scalable database solution in the big data space. What You Will Learn Configure HBase from a high performance perspective Grab data from various RDBMS/Flat files into the HBASE systems Understand table design and perform CRUD operations Find out how the communication between the client and server happens in HBase Grasp when to use and avoid MapReduce and how to perform various tasks with it Get to know the concepts of scaling with HBase through practical examples Set up Hbase in the Cloud for a small scale environment Integrate HBase with other tools including Elasticsearch In Detail Apache HBase is a

non-relational NoSQL database management system that runs on top of HDFS. It is an open source, distributed, versioned, column-oriented store and is written in Java to provide random real-time access to big Data. We'll start off by ensuring you have a solid understanding the basics of HBase, followed by giving you a thorough explanation of architecting a HBase cluster as per our project specifications. Next, we will explore the scalable structure of tables and we will be able to communicate with the HBase client. After this, we'll show you the intricacies of MapReduce and the art of performance tuning with HBase. Following this, we'll explain the concepts pertaining to scaling with HBase. Finally, you will get an understanding of how to integrate HBase with other tools such as Elasticsearch. By the end of this book, you will have learned enough to exploit HBase for boost system performance. Style and approach This book is intended for software quality assurance/testing professionals, software project managers, or software developers with prior experience in using Selenium and Java to test web-based applications. This books

also provides examples for C#, Python, and Ruby users.

VMware vSphere and Virtual Infrastructure Security VMware Press Certification

If you want to gain insight into the real-world uses of VMware ESX and ESXi, this book provides scores of step-by-step solutions for working with these products in a wide range of network environments. You'll not only learn the basics -- how to pool resources from hardware servers, computer clusters, networks, and storage, and then distribute them among virtual machines -- but also the stumbling blocks you'll encounter when you monitor systems, troubleshoot problems, and deal with security. In addition to the recipes, VMware Cookbook includes background information to help you determine your virtualization needs. You'll come to view VMware as part of the real environment, alongside operating systems, storage, and logical and physical network components. Follow best practices for installing VMware in your environment Discover how to secure and monitor your network Understand disk storage implementation and configuration Learn resource management using the distributed

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

VMware vCloud Director Cookbook Packt Publishing Ltd

Over 75 practical recipes to confidently design an efficient virtual datacenter with VMware vSphere 6.x About This Book Get the first book on the market that helps you design a virtualized data center with VMware vSphere 6 Achieve enhanced compute, storage, network, and management capabilities for your virtual data center Exciting and practical recipes help you to design a virtual data easily by leveraging the features of VMware vSphere 6 Who This Book Is For If you are an administrator or consultant interested in designing virtualized datacenter environments using VMware vSphere 6.x or previous versions of vSphere and the supporting components, this book is for you. It will help both new and experienced

architects deliver professional VMware vSphere virtual datacenter designs. What You Will Learn Identify key factors related to a vSphere design and apply them to every step of the design process Mitigate security risks and meet compliance requirements in a vSphere design. Create a vSphere conceptual design by identifying technical and business requirements Determine the type of database to use based on the deployment size. Design for performance, availability, recoverability, manageability, and security Map the logical resource design into the physical vSphere design Create professional vSphere design documentation to ensure a successful implementation of the vSphere design Leverage the latest vSphere 6.x features to ensure manageability, performance, availability, and security in a virtual datacenter design In Detail VMware is the industry leader in data center virtualization. The vSphere 6.x suite of products provides a robust and resilient platform to virtualize server and application workloads. With the release of 6.x a whole range of new features has come along such as ESXi Security

enhancements, fault tolerance, high availability enhancements, and virtual volumes, thus simplifying the secure management of resources, the availability of applications, and performance enhancements of workloads deployed in the virtualized datacenter. This book provides recipes to create a virtual datacenter design using the features of vSphere 6.x by guiding you through the process of identifying the design factors and applying them to the logical and physical design process. You'll follow steps that walk you through the design process from beginning to end, right from the discovery process to creating the conceptual design; calculating the resource requirements of the logical storage, compute, and network design; mapping the logical requirements to a physical design; security design; and finally creating the design documentation. The recipes in this book provide guidance on making design decisions to ensure the successful creation, and ultimately the successful implementation, of a VMware vSphere 6.x virtual data center design. Style and Approach The book follows a recipe-based approach that consists of

practical recipes to effectively design a virtual data center.

VSphere High Performance Cookbook

- Second Edition Packt Publishing Ltd
As organizations strive to do more with less, IBM® DB2® for Linux, UNIX, and Windows provides various built-in high availability features. DB2 further provides high availability solutions by using enterprise system resources with broad support for clustering software, such as IBM PowerHA® SystemMirror®, IBM

Tivoli® System Automation for Multiplatforms (Tivoli SA MP), and Microsoft Windows Cluster Server. This IBM Redbooks® publication describes the DB2 high availability functions and features, focusing on High Availability Disaster Recovery (HADR) in the OLTP environment. The book provides a detailed description of HADR, including setup, configuration, administration, monitoring, and preferred practices. This book explains how to configure Cluster software PowerHA, Tivoli SA MP, and MSCS with

DB2 and show how to use these products to automate HADR takeover. DB2 also provides unprecedented enterprise-class disaster recovery capability. This book covers single system view backup, backup and restore with snapshot backup, and the db2recovery command, in detail. This book is intended for database administrators and information management professionals who want to design, implement, and support a highly available DB2 system.