VMware vSphere 6.X Datacenter Design Cookbook - Second Edition

Hersey Cartwright

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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.

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