

### VMware vSphere: Design Workshop

This course explores a design methodology, criteria, and approach for designing a VMware vSphere™ 4 virtual datacenter architecture consisting of VMware® ESX™/ESXi 4 and VMware vCenter™ Server 4. This course, by discussing the benefits and risks of available design alternatives, provides information that supports making sound design decisions. This course also provides an opportunity to practice your design skills by working with peers on a design project.

#### Course Objectives

At the end of this course, you will have applied the design methodology, criteria, and approach to create a vSphere design based on one or more case studies. Also, you should be able to:

- Identify design goals, requirements, and constraints
- Identify useful information for making design decisions
- Recognize and analyze best-practice recommendations
- Analyze alternative design choices
- Identify risks
- Work in a design team on a design project

Best practices and lab exercises are interspersed throughout the course.

#### Course Outline

##### Module 1: Course Introduction

- Provide a general overview of the course

##### Module 2: Design Process Overview

- Discuss the design methodology, criteria, and approach
- Introduce an example five-step design process

##### Module 3: ESX/ESXi Host Design

- Identify useful information for making host design decisions
- Analyze best practices and host design alternatives

##### Module 4: vSphere Virtual Datacenter Design

- Identify useful information for making vCenter Server, database, cluster, and resource pool design decisions
- Analyze best practices and vCenter Server, database, cluster, and resource pool design alternatives

##### Module 5: vSphere Network Design

- Identify useful information for making network design decisions
- Analyze best practices and network design alternatives

##### Module 6: vSphere Storage Design

- Identify useful information for making storage design decisions
- Analyze best practices and storage design alternatives

##### Module 7: Virtual Machine Design

- Identify useful information for making virtual machine design decisions
- Analyze best practices and virtual machine design alternatives

##### Module 8: Management and Monitoring Design

- Identify useful information for making management and monitoring design decisions
- Analyze best practices and management and monitoring design alternatives

#### Who Should Attend?

The course is designed for VMware pre- and post sales technical professionals responsible for designing vSphere architectures.

Length: 3 days  
60% lecture 40% hands-on lab  
Delegates should have knowledge of Microsoft Windows or Linux O/S.  
For course enquiries or competitive prices ring

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