

**Course Code: SSV033**

**Title: VMware vSphere: Design Workshop [V4]**

**Format: Classroom**

**Duration: 3 Days**

### **Overview**

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.

### **Objectives**

- 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

### **Who Should Attend?**

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

### **Prerequisites**

Knowledge of vSphere 4 installation, upgrade, configuration, and administration

## 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  
Design Workshop  
Small group case study workshop to practice using the methodology, criteria, and approach required to design a vSphere virtual datacenter