

## VMware vSphere: Design Workshop [V4x]

**Duration:** 3 Days

### Course Description

In this VMware® vSphere™ course, you will explore 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. In this course, you will examine the benefits and risks of available design alternatives, and you will gain information that supports making sound design decisions. You will have an opportunity to practice your design skills by working with peers on a design project.

### Audience

VMware pre- and post-sales technical professionals responsible for designing vSphere architectures

### Prerequisites

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

### Course Outline

#### 1. Design Process Overview

- Design methodology, criteria, and approach
- Example five-step design process

#### 2. ESX/ESXi Host Design

- Making host design decisions
- Best practices and host design alternatives

#### 3. vSphere Virtual Datacenter Design

- Making vCenter Server, database, cluster, and resource pool design decisions
- Best practices and vCenter Server, database, cluster, and resource pool design alternatives

#### 4. vSphere Network Design

- Making network design decisions
- Best practices and network design alternatives

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### 5. vSphere Storage Design

- Making storage design decisions
- Best practices and storage design alternatives

### 6. Virtual Machine Design

- Making virtual machine design decisions
- Best practices and virtual machine design alternatives

### 7. Management and Monitoring Design

- Making management and monitoring design decisions
- Best practices and management and monitoring design alternatives

### 8. Design Workshop

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