VMware vSphere: Design Workshop

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.

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

Target Audience

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

Pricing and Scope

- Approximately 19.5 hours of instructor-led classroom training
- 60% lecture and 40% lab exercise
- Individual enrollment is available at convenient locations worldwide at http://www.vmware.com/education.
- Contact your VMware representative for pricing information.
- Onsite training is available for companies that want the benefits of instructor-led classes without travel.
- Contact VMware Education to discuss facility requirements for onsite training at education@vmware.com.

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

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

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