VMware vSphere: Manage Availability

Overview

This hands-on training course equips system administrators with the knowledge, skills, and abilities to achieve competence in building and running a highly available VMware® vSphere™ 4 virtual infrastructure.

Course Objectives

At the end of the course, you should be able to understand the functionality in vSphere and be able to:

- List the components of business continuity
- Describe Microsoft Windows 2003 and 2008 cluster configurations
- Configure a VMware High Availability (HA) cluster using nondefault options
- Deploy fault-tolerant virtual machines using VMware Fault Tolerance (FT)
- Deploy VMware vCenter™ Server Heartbeat

Target Audience

System administrators, systems engineers, and solutions architects who need the knowledge, skills, and abilities to ensure the availability of their existing vSphere deployments

Prerequisites

Completion of the VMware vSphere 4: Install, Configure, Manage course or the VMware vSphere 4: What's New course, or have prior experience using VMware ESX™/ESXi and vCenter products

Pricing and Scope

- One (1) day of instructor-led, classroom training
- 50% lecture, 50% hands-on lab
- Individual enrollment available at convenient locations worldwide http://www.vmware.com/education
- Contact your VMware representative for pricing information.
- Onsite training 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

Module 2: Business Continuity

- Overview of vSphere features for high availability, fault tolerance, data protection, and disaster recovery

Module 3: Virtual Machine Clustering

- vSphere general requirements for Microsoft failover clusters
- Overview of the supported Microsoft failover cluster configurations

Module 4: VMware High Availability Clusters

- VMware HA advanced parameters affecting slot size
- Deploying different admission control policies
- Configuring redundant heartbeat networks and isolation test addresses

Module 5: VMware Fault Tolerance

- Overview of FT prerequisites and FT operation
- FT best practices
- Configuring, monitoring, and testing a fault-tolerant virtual machine

Module 6: VMware vCenter Server Heartbeat

- Overview of vCenter Server Heartbeat operation
- Installing and configuring vCenter Server Heartbeat
- Failover and switchover with vCenter Server Heartbeat
- Monitoring vCenter Server Heartbeat

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