

Course SSV025 VMware vSphere Manage Availability

Duration: 1 Day

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

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