

VMware vSphere: Manage Scalability

Overview

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

Course Objectives

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

- Saving disk space by thin-provisioning virtual machines
- Using Host Profiles to keep ESX/ESXi hosts uniformly configured and manage configuration compliance
- Configuring VMware DRS clusters with non-default options
- Configuring VMware Distributed Power Management
- Managing more than one vCenter Server from the same vSphere Client with VMware vCenter Linked Mode

Target Audience

System administrators, systems engineers, and solutions architects who need the knowledge, skills, and abilities to build scalability into their existing VMware vSphere deployments.

Prerequisites

Completion of the VMware vSphere 4: Install, Configure, Manage course, or have equivalent experience using VMware ESX™/ESXi and vCenter products.

Pricing and Scope

- One day of instructor-led, classroom training.
- 50% lecture, 50% hands-on labs.
- 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: Thin Provisioning

- **Overview of vSphere features for adding ability to scale VMFS storage by more efficiently allocating space to virtual disk files**
- **Monitor and manage thin-provisioned VMFS datastores and virtual disk storage allocation and usage**

Module 3: Host Profiles

- **Create, manage and apply vSphere Host Profiles to ESX/ESXi hosts**
- **Use Host Profiles to maintain ESX/ESXi host compliance**

Module 4: VMware Distributed Resource Scheduler Clusters

- **Use VMware DRS and VMware Distributed Power Management (DPM) non-default configuration options**
- **Configure DRS affinity and anti-affinity rules for cluster scalability**
- **Configure VMware DPM to provide efficient power management for DRS-enabled clusters**

Module 5: VMware vCenter Linked Mode

- **Use VMware vCenter Linked Mode to manage multiple vCenter Server inventories**
- **VMware vCenter Linked Mode architecture and requirements**
- **Configure vCenter Linked Mode groups**

Module 6: VMware ESX Scripted Installation

- **Use ESX scripted installation to automate deployment of ESX/ESXi hosts**
- **Create and manage ESX installation scripts**
- **ESX/ESXi host script commands**

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