

# 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 (1) 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](mailto: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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