VMware vSphere: Fast Track

Overview

Fast Track provides the quickest way to help you gain a superior set of skills, abilities, and knowledge to build and run a VMware vSphere™ environment. The *intensive, extended–hours* class combines the content of the **VMware vSphere 4: Install, Configure, Manage** course with advanced tasks and skills for configuring a highly available and scalable virtual infrastructure. Fast Track also includes over 7 hours of self-paced training to jump-start your learning and review after class. Upon completing Fast Track, you can take the examination to qualify as a VMware® Certified Professional.

Course Objectives

At the end of the course, you should be able to:

- Install and configure VMware ESX™/ESXi, vCenter™ Server, vCenter Converter, vCenter Server Heartbeat, Data Recovery, and vCenter Update Manger
- Configure and manage vSphere networking and storage from both graphical and command-line interfaces
- Create, configure, migrate, convert, monitor, patch, and back up virtual machines and virtual appliances
- Set up clusters enabled for VMware Distributed Resource Scheduler (DRS) to automate resource management
- Implement high availability and fault tolerance solutions for business-critical applications

Target Audience

Experienced system administrators and system integrators who want to achieve superior vSphere skills with minimal time away from the office

Prerequisites

- Comfort with system administration using command-line interfaces

Pricing and Scope

- Five extended days of instructor-led classroom training, plus six self-paced eLearning courses
- Individual enrollment available at convenient locations worldwide at 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.

Module 1: Course Introduction
Module 2: Introduction to VMware Virtualization
- **Discuss virtualization and vSphere components**
Module 3: Configuring VMware ESX/ESXi
- **Configure ESX/ESXi settings and view system logs**
Module 4: Installing and Using VMware vCenter Server
- **Install and configure vCenter Server**
- **Create and manage inventory objects**
- **Install VMware vSphere Management Assistant for command-line administration**
Module 5: Networking
- **Configure vNetwork components, including security, traffic-shaping, and load-balancing policies**
Module 6: Storage
- **Survey storage technologies and set up storage based on cost, performance, and manageability requirements**
Module 7: Virtual Machines
- **Deploy virtual machines using templates and vCenter Converter**
- **Modify and manage virtual machines**
Module 8: Access Control
- **Control user access through roles and permissions**
Module 9: Resource Monitoring
- **Assess workloads, monitor resources, and configure alarms**
Module 10: Scalability
- **Create thin-provisioned virtual machines**
- **Manage multiple vCenter Server inventories**
- **Automate CPU, memory, and power management by configuring clusters with DRS and VMware Distributed Power Management**
Module 11: High Availability and Data Protection
- **Set up and troubleshoot VMware High Availability clusters**
- **Configure and monitor fault-tolerant virtual machines**
- **Install and configure vCenter Server Heartbeat**
- **Use Data Recovery to back up virtual machines**
Module 12: Configuration Management
- **Use Host Profiles to manage ESX/ESXi configuration compliance**
- **Install and configure Update Manager to patch and upgrade ESX/ESXi hosts and virtual machines**
Module 13: Installing ESX
- **Perform manual (ESX/ESXi) and scripted (ESX) installations**