

**Course Code: SSV024**

**Course Title: VMware vSphere 4 FastTrack**

**Duration: 5 Days**

### **Overview**

This intensive, extended-hours training course focuses on installing, configuring, managing, and troubleshooting VMware® vSphere™. It 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. Upon completing this course, 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, and the vSphere Management Assistant
- Configure, manage, and troubleshoot ESX/ESXi networking and storage
- Create, configure, migrate, manage, convert, and monitor virtual machines and virtual appliances
- Scale the vSphere virtual infrastructure
- Implement business continuity solutions
- Manage changes to the vSphere environment

### **Target Audience**

Experienced system administrators and system integrators willing to work hard to achieve superior vSphere skills with minimal time away from the office

### **Prerequisites**

- Willingness to participate in a demanding, high-intensity training experience
- Comfort with system administration using command-line interfaces

**Course Outline****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 and vSphere Management Assistant
- Manage vCenter Server inventory hierarchies

**Module 5: Networking**

- Configure and troubleshoot vNetwork components

**Module 6: Storage**

- Review storage management technologies
- Analyze and troubleshoot storage-related issues

**Module 7: Virtual Machines**

- Deploy virtual machines using templates, VMware vCenter Converter, and Guided Consolidation
- Modify and manage virtual machines

**Module 8: Access Control**

- Control user access through roles and permissions

**Module 9: Resource Monitoring**

- Assess workloads and monitor resources through the GUI interfaces and CLI

**Module 10: Scalability**

- Scale resource management
- Manage multiple vCenter Server inventories
- Perform VMware VMotion™ migrations
- Configure clusters for VMware Distributed Resource Scheduler and VMware Distributed Power Management

**Module 11: High Availability and Data Protection**

- Review business continuity products and features
- Follow best practices to configure VMware High Availability clusters and VMware Fault Tolerance
- Install and configure VMware vCenter Server Heartbeat
- Deploy VMware Data Recovery to back up virtual machines

**Module 12: Configuration Management**

- Manage change in the vSphere environment with Host Profiles and VMware vCenter Update Manager

**Module 13: Installing ESX**