



Training Course:
VMware vSphere: Administration and
Managemnt

12 - 16 July 2027
Barcelona (Spain)

Training Course: VMware vSphere: Administration and Management

Training Course code: IT234923 From: 12 - 16 July 2027 Venue: Barcelona (Spain) - Training Course Fees: 6300 € Euro

Introduction

This five-day training course provides hands-on training to equip students with a range of skills, from performing routine VMware vSphere® 7 administrative and management tasks to complex vSphere operations and configurations. Through activities, participants are immersed in real-life situations faced by VMBeans, a fictitious company. These situations expose students to real-life scenarios faced by companies that are building and scaling their virtual infrastructure.

Training Objectives

By the end of the course, you should be able to meet the following objectives:

- Configure and manage complex storage solutions in a vSphere environment including NFS, iSCSI, and so on
- Configure and manage complex, scalable vSphere networking operations vSphere Standard Switch and Distributed Switches
- Deploy, manage, and optimize virtual machines advanced configuration, content library, latency-sensitive workloads, and more
- Manage business continuity and operations in your vSphere environment VMware vCenter® Server Appliance file-based backup, VMware vCenter Server® profiles, host profiles, and so on
- Plan and implement increased vSphere security use a Key Provider, VM Encryption, CPU scheduler remediations, and so on
- Troubleshoot the vSphere environment
- Use VMware vSphere® Lifecycle Manager to upgrade to VMware ESXi hosts and virtual machines VUM, image-based clusters, and so on
- Implement vSphere cluster solutions Cluster QuickStart wizard, VMware vSphere® Distributed Resource Scheduler, VMware vSphere® High Availability, VMware vSAN, and so on
- Implement resource optimizations to streamline vSphere deployments
- Create an advanced configuration of vCenter Server including an identity source

Target Audience

- VMware administrators and virtualization engineers

- System administrators responsible for managing virtual infrastructure
- IT infrastructure engineers and data center specialists
- Cloud and virtualization professionals seeking advanced vSphere 7 skills
- IT support engineers working with enterprise environments
- Professionals preparing for roles in virtualization and data center management
- Experienced IT staff aiming to enhance troubleshooting, optimization, and security skills in VMware environments

Course Outlines

Day 1: Introduction & vSphere Environment Configuration

- Course introduction and overview of VMBeans case study
- vCenter Server configuration and administration
- External identity source configuration
- Advanced virtual networking configuration Standard & Distributed Switches
- Advanced storage configuration NFS, iSCSI, etc.
- vSphere cluster setup and Cluster QuickStart

Day 2: Advanced Virtual Machine & Cluster Management

- Advanced virtual machine deployment and optimization
- Latency-sensitive workload configuration
- Cluster advanced settings
- Host advanced configuration options
- Host profiles creation and management
- Content Library creation and configuration
- Virtual machine templates and VMware Tools repository

Day 3: Data Center Management & Operations

- vCenter Server log collection and analysis
- File-based backup of vCenter Server Appliance
- Working with vCenter Server profiles
- Role and permission management
- vSphere Lifecycle Manager VUM & image-based clusters
- Cluster management and remediation

Day 4: Troubleshooting vSphere Environment

- Troubleshooting vSphere configuration issues
- Network and storage troubleshooting
- ESXi host troubleshooting
- Resource pool issues
- vCenter Server performance and resource issues
- Practical troubleshooting scenarios

Day 5: Security, Performance & Optimization

- vSphere security implementation
 - Key Provider management

- VM Encryption
 - CPU scheduler security settings
- Advanced virtual machine security configuration
- Resource optimization techniques
- Performance tuning in vSphere environments
- Final integrated review and best practices

Registration form on the Training Course: VMware vSphere: Administration and Management

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