



Information Technology

VMware vSphere Advanced Professional Deploy

Course Introduction

This training course is designed to provide participants with the essential concepts and principles in order to implement vSphere 7.x solution, including deployment, administration, optimization and troubleshooting.

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist
- Computer Support Specialist
- Database Administrator
- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer
- Web Developer
- Technology sales consultant

Learning Objectives

- Effectively set up VMware vCenter Server® and single sign-on (SSO)
- Install, configure and set up a clustering solution for VMware vSphere® High Availability (HA), VMware vSphere® Distributed Resource Scheduler™ (DRS), VMware vSAN™
- Manage advanced virtual machine configurations (per VM EVC, latency sensitivity)
- Troubleshoot resource issues, network and storage issues, vSphere® infrastructure issues, vSphere® 7.x clusters

- Set up networking and storage
- Set up log collection and VMware vCenter Server® backup
- Manage and remediate host and clusters
- Configure role-based access control (RBAC)
- Configure and manage advanced security options
- Implement VMware vSphere® virtual machine encryption (VM encryption)
- Configure and manage advanced host configurations

Course Outline

• Day 01

Installing, Configuring, and Setup

- Set up VMware vCenter Server® and single sign-on (SSO)
- Deploy and configure VMware vCenter Server® and VMware ESXi™
- Configure identity sources
- Set up a clustering solution for VMware vSphere® High Availability (HA)
- Configure and manage High Availability options
- Set up a cluster solution for VMware vSphere® Distributed Resource Scheduler™ (DRS)
- Configure VMware vSphere® vMotion
- Configure scalable shares
- Set up a cluster solution for VMware vSAN™
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• Day 02

Performance-tuning, Optimization, and Upgrades

- Manage advanced virtual machine configurations (per VM EVC, latency sensitivity)
- Identify and implement vSphere® resource optimization opportunities

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• Day 04

Administrative and Operational Tasks

- Set up networking and storage
 - Deploy and manage VMware vSphere® Standard Switch (vSS)
 - Deploy and manage VMware vSphere® Distributed Switch (VDS)
 - Configure and manage advanced storage configurations
 - Set up log collection and VMware vCenter Server® backup
 - Manage and review VMware vSphere® log files
 - Configure VMware vCenter Server® file-based backup
 - Configure and manage VMware vCenter Server® backup and restore options
 - Configure VMware vCenter Server® profiles
 - Manage and remediate host and clusters
 - Configure and manage advanced cluster configurations (Quickstart, Admission Control)
- Create and manage host profiles (e.g. edit and apply host profiles)
 - Manage and remediate clusters using vSphere® Lifecycle Manager™
 - Configure and manage Lifecycle Manager™ components

• Day 05

Work with content libraries

- Configure and manage a content library
- Update virtual machine templates in a content library
- Configure role-based access control (RBAC)
- Configure and manage advanced security options
- Configure CPU scheduler for security options
- Implement VMware vSphere® virtual machine encryption (VM encryption)
- Configure and manage a Key Management solution
- Create an encrypted virtual machine
- Configure and manage advanced host configurations
- Configure the VMware Tools and vSphere® Client repository (productLocker).

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Dec. 8, 2025	Dec. 12, 2025	5 days	4250.00 \$	UAE - Dubai