



Information Technology

## VMware vSphere - Optimize & Scale

## Course Introduction

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This training course is designed to help participants advanced their skills for configuring and maintaining a highly available and scalable virtual infrastructure. Through a mix of lecture and hands-on labs, they will understand how to configure and optimize the VMware vSphere 7 features that build a foundation for a truly scalable infrastructure, and when and where these features have the greatest effect. This course aligns with the following products: ESXi 7, vCenter Server 7.

## Target Audience

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- 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

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- Gain a comprehensive understanding of how to configure and manage vSphere networking and storage for a large and sophisticated enterprise
- Know the purpose and capabilities of VMware vSphere with Kubernetes and how it fits into the VMware Tanzu portfolio
- Utilize the VMware vSphere Client to manage certificates.

- Enhance the performance of ESXi and VMware vCenter Server
- Use Identity Federation to configure VMware vCenter Server to use Microsoft ADFS
- Use VMware vSphere Trust Authority to secure the infrastructure for encrypted VMs
- Use host profiles to manage VMware ESXi host compliance
- Create and manage a content library for deploying virtual machines
- Monitor and analyze key performance indicators for compute, storage, and networking resources for ESXi hosts

## Course Outline

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- **Day 01**

- Network Scalability**

- Storage Scalability

- **Day 02**

- Host and Management Scalability**

- CPU Optimization

- **Day 03**

- Memory Optimization**

- Storage Optimization

- **Day 04**

- Network Optimization**

- vCenter Server Performance Optimization

- **Day 05**

- Introduction to vSphere with Kubernetes**

# Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 7, 2025	April 11, 2025	5 days	4250.00 \$	UAE - Dubai
July 7, 2025	July 11, 2025	5 days	4250.00 \$	UAE - Dubai
Dec. 29, 2025	Jan. 2, 2026	5 days	4950.00 \$	Turkey - Antalya