# VMware vSphere: Fast Track [V8] Training

Duration: **5 Day**

BILGINC IT Academy
info@bilginc.com
+44 20 3807 0925
+90 212 282 7700

## Overview

This **5-day intensive course** takes participants from **introductory to advanced vSphere® 8 management skills**. Covering both **VMware ESXi™ 8** and **VMware vCenter Server® 8**, the course blends **lectures and hands-on labs** to provide deep technical expertise in deploying, configuring, and managing scalable and highly available virtual infrastructures.

Attending this course also satisfies the training requirement for the**VMware Certified Professional – Data Center Virtualization (VCP-DCV)** certification.

## Prerequisites

- Windows or Linux system administration experience
- VMware MyLearn account for e-courseware access

## Who Should Attend

- System Administrators
- System Engineers

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## What You Will Learn

By the end of the course, participants will be able to:

- Install and configure ESXi hosts
- Deploy and manage vCenter
- Configure user roles and permissions in vSphere Client
- Create and manage networks with Standard & Distributed Switches
- Configure and manage datastores (VMFS, NFS, iSCSI, Fibre Channel)
- Deploy, clone, and manage VMs, templates, and snapshots
- Create and manage a VMware Tools Repository
- Perform vMotion & Storage vMotion migrations
- Create and configure vSphere HA & DRS clusters
- Manage host and VM lifecycle with vSphere Lifecycle Manager
- Monitor, troubleshoot, and optimize vSphere performance

## Outline

### 1. Course Introduction

- Objectives and logistics

### 2. vSphere and Virtualization Overview

- Basic virtualization concepts
- vSphere in SDDC and Cloud Infrastructure

### 3. vCenter Management

- vCenter Server Appliance deployment
- License management
- High Availability configuration

### 4. vSphere Networking

- Standard & Distributed Switches

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- Networking policies
- Network I/O Control, Distributed Services Engine

### 5. vSphere Storage

- VMFS, NFS, iSCSI, Fibre Channel
- vSAN architecture and Storage Policies

### 6. Virtual Machine Management

- VM creation, cloning, snapshots
- Resource allocation and optimization
- VMware Tools Repository

### 7. Cluster Management

- DRS & HA configuration
- Fault Tolerance
- vCLS functions

### 8. Lifecycle Management

- vSphere Lifecycle Manager
- ESXi image management
- VMware Tools & VM Hardware upgrades

### 9. Operations and Monitoring

- Performance monitoring
- Alarm creation
- VMware Skyline & Advisor Pro