

## VMware vSphere: Fast Track [V8]

**Course Duration: 40 Hours**

**Course Code: VSFT8**

### 1. Course Overview

The VMware vSphere: Fast Track [V8] course is an intensive, hands-on training program designed to equip participants with the knowledge and skills required to administer, configure, and troubleshoot a VMware vSphere 8 environment. This course combines the content of the VMware vSphere Install, Configure, Manage and VMware vSphere Optimize and Scale courses into a fast-paced format, helping IT professionals build a strong foundation and advanced skill set in virtualization.

### 2. What You'll Learn?

By the end of this course, you will be able to:

- Install, configure, and manage VMware vSphere 8 components.
- Deploy and manage virtual machines and vCenter Server.
- Optimize performance, scalability, and resource utilization.
- Configure and manage advanced features like vSphere High Availability (HA) and Distributed Resource Scheduler (DRS).
- Secure, monitor, and troubleshoot a vSphere environment.
- Perform advanced management tasks using VMware tools and utilities.

### 3. Target Audience

This course is ideal for:

- System Administrators
- System Engineers

- Data Center Engineers
- IT Professionals responsible for managing vSphere infrastructure

## 4. Pre-Requisites

Participants should have:

- Basic understanding of virtualization concepts.
- Experience with system administration on Microsoft Windows or Linux operating systems.
- Prior knowledge of networking and storage fundamentals is recommended.

## 5. Course Content

### **Module 1: Course Introduction**

- Introduction to VMware vSphere and course objectives

### **Module 2: vSphere and Virtualization Concepts**

- Overview of virtualization technologies
- Key features of VMware vSphere 8

### **Module 3: vCenter Server and ESXi Installation & Configuration**

- Deploying and managing vCenter Server Appliance
- Installing and configuring ESXi hosts

### **Module 4: Virtual Machine Management**

- Creating, managing, and cloning virtual machines
- Snapshots and templates

### **Module 5: vSphere Networking**

- Configuring vSphere Standard Switches and Distributed Switches

- Network policies and security

### **Module 6: vSphere Storage**

- Configuring storage policies
- Managing datastores and storage DRS

### **Module 7: Resource Management and Monitoring**

- Configuring resource pools
- Monitoring performance and alarms

### **Module 8: High Availability and Fault Tolerance**

- Configuring vSphere HA and DRS clusters
- Fault tolerance features

### **Module 9: vSphere Security**

- Securing vCenter and ESXi
- Role-based access control

### **Module 10: Advanced vSphere Management**

- Host profiles and lifecycle management
- vSphere Update Manager

### **Module 11: Troubleshooting vSphere**

- Tools and methodologies for troubleshooting
- Log file analysis and best practices

### **Module 12: Course Wrap-up**

- Key concepts review
- Q&A session