

# VMware Cloud Foundation: Troubleshooting [V5.0]

**Course Duration: 24 Hours**

**Course Code: VCF-TS50**

## 1. Course Overview

The **VMware Cloud Foundation: Troubleshooting [V5.0]** course provides participants with the essential skills to identify, analyze, and resolve common issues within VMware Cloud Foundation environments. This hands-on training focuses on practical troubleshooting techniques, diagnostic tools, and methodologies to help IT professionals maintain optimal performance, reliability, and security in their cloud infrastructure.

## 2. What You'll Learn?

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

- Understand the architecture and key components of VMware Cloud Foundation.
- Apply systematic troubleshooting methods for infrastructure and workload issues.
- Diagnose and resolve problems related to SDDC Manager, vSphere, vSAN, and NSX.
- Use VMware troubleshooting tools, logs, and best practices to resolve issues effectively.
- Ensure minimal downtime by quickly identifying root causes and applying corrective actions.

## 3. Target Audience

This course is designed for:

- System Administrators
- Cloud Administrators
- Infrastructure Engineers
- Technical Support Engineers
- Professionals responsible for managing VMware Cloud Foundation environments

## 4. Pre-Requisites

Before attending this course, participants should have:

- Understanding of VMware Cloud Foundation architecture and concepts
- Experience with vSphere, vSAN, and NSX
- Completion of VMware Cloud Foundation: Planning, Management, and Operations or equivalent knowledge
- Basic networking and storage knowledge

## 5. Course Content

### **Module 1: Introduction to VMware Cloud Foundation Troubleshooting**

- Overview of VMware Cloud Foundation architecture
- Troubleshooting methodology and approach

### **Module 2: Troubleshooting SDDC Manager**

- Common deployment and management issues
- Analyzing logs and resolving lifecycle management failures

### **Module 3: Troubleshooting vSphere in VCF**

- Host and VM connectivity issues

- Troubleshooting vCenter and ESXi problems

#### **Module 4: Troubleshooting vSAN in VCF**

- Storage policy and performance issues
- Identifying and resolving vSAN health check failures

#### **Module 5: Troubleshooting NSX in VCF**

- Networking and security issues
- NSX Manager, Edge, and T1/T0 Gateway troubleshooting

#### **Module 6: Tools and Best Practices for Troubleshooting**

- VMware troubleshooting tools overview
- Log analysis, CLI, and monitoring tools
- Best practices for effective troubleshooting

