

VMware vSphere: Troubleshooting Workshop [V5.1]

This lab-intensive course focuses on providing system administrators with the advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere™ virtual infrastructure. In this course, you will spend most of the time diagnosing and rectifying configuration problems created on VMware® ESX™/ESXi hosts and VMware vCenter™ Server systems.

SKU: VPND-VSAT

Class Duration: 5 days

Who Should Attend

System administrators, systems engineers, and help desk personnel who need the knowledge, skills, and abilities to perform advanced troubleshooting of their vSphere deployments.

Course Objective

- Use the VMware vSphere® Web Client, the command line, and log files to diagnose and correct problems in vSphere.
- Configure SSL certificates.
- Troubleshoot networking issues.
- Troubleshoot storage issues.
- Troubleshoot vCenter Server issues.
- Troubleshoot ESXi host issues.
- Troubleshoot vSphere cluster issues.
- Troubleshoot VMware vSphere® vMotion® issues.
- Troubleshoot virtual machine issues

Prerequisites

Required prerequisites include completion of one of the following:

- VMware® Certified Professional 5 – Datacenter Virtualization (VCP5-DCV)
- VMware vSphere: Fast Track [V5.1]
- VMware vSphere: Optimize and Scale [V5.1]
- Equivalent knowledge and administration experience with ESXi and vCenter Server

Experience with working at the command prompt is highly recommended.

Outline

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Introduction to Troubleshooting

- Using a structured approach to troubleshooting

3 Troubleshooting Tools

- Adding the VMware vSphere® Management Assistant to an Active Directory environment
- Using commands to record information about your vSphere configuration
- Locating important log files
- Gathering log bundles for technical support

4 SSL Certificates

- Implementing SSL certificates for vCenter Server
- Implementing SSL certificates for ESXi

5 Networking

- Troubleshooting standard switch issues
- Troubleshooting virtual machine network connectivity issues
- Troubleshooting management network connectivity issues
- Troubleshooting distributed switch issues

6 Storage

- Troubleshooting LUN connectivity issues
- Troubleshooting multipathing issues

7 Cluster Management

- Troubleshooting vSphere cluster issues
- Troubleshooting vSphere vMotion issues

8 vCenter Server and ESXi

- Troubleshooting vCenter Server issues
- Troubleshooting ESXi host issues

9 Virtual Machines

- Troubleshooting virtual machine state issues
- Troubleshooting VMware® Tools™ installation issues
- Troubleshooting VMware snapshot issues
- Troubleshooting virtual machine power-on issues