

VMware vSphere: Troubleshooting [V4x]

Duration: 4 Days

Course Description

This advanced, lab-intensive VMware-authorized course focuses on providing system administrators with the advanced knowledge, skills, and abilities to successfully troubleshoot the VMware® vSphere™ virtual infrastructure. In this course, which meets the training requirement for VMware certification, you will spend most of the time diagnosing and rectifying configuration problems created on VMware ESX™/ESXi hosts and VMware vCenter™ Server systems. You will take home a VMware Troubleshooting Reference Guide.

This course includes:

- 30 hands-on labs
- VMware Troubleshooting Reference Guide
- What's New in VMware vSphere 4.1 e-Learning

Audience

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

Prerequisites

One of the following:

Completion of:

- VMware vSphere: Install, Configure, Manage [V4.1]
- VMware vSphere: Install, Configure, Manage [V4]
- VMware vSphere: Manage Availability [V4]
- VMware vSphere: Manage Scalability [V4]
- VMware vSphere: Fast Track [V4]

Equivalent knowledge and administration experience with:

- ESX/ESXi and vCenter Server
- VMware vSphere: Manage Availability [V4]
- VMware vSphere: Manage Scalability [V4]

Course Outline

1. ESXi Command-Line Troubleshooting Methods

- Install and use the vMA appliance
- Learn common VMware vSphere Command-Line Interface commands and syntax
- Configure ESXi technical support mode and SSH access

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2. ESX, ESXi, and vCenter Server Log Files

- View ESX, ESXi, and vCenter Server log files
- Configure a centralized ESX/ESXi log host

3. Network Troubleshooting

- Identify and configure vNetwork components
- Configure and use a network traffic sniffer

4. Management Troubleshooting

- Troubleshoot vSphere management components

5. Storage Troubleshooting

- View, configure, and diagnose storage access problems
- Configure iSCSI authentication and digests

6. VMotion Troubleshooting

- Troubleshoot VMotion and Storage VMotion errors

7. VMware HA Cluster Troubleshooting

- Troubleshoot errors with slot calculations, admission control, and host monitoring

8. DRS Cluster Troubleshooting

- Troubleshoot errors with shares, pools, and limits

9. Virtual Machine Troubleshooting

- Review power-on requirements
- Troubleshoot virtual machine power-on failures

10. Graduation Lab

- Complete a final multi-hour, multi-problem troubleshooting exercise