

VMware vSphere: Troubleshooting

Cursusduur: 5 Dagen Cursuscode: VST Version: 7

Beschrijving:

This five-day, hands-on VMware Troubleshooting training course provides you with the advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 7.x environment. This workshop increases your skill and competence in using the command-line interface, VMware vSphere® Client™, log files, and other tools to analyze and solve problems.

Product Alignment: ESXi 7vCenter Server 7

Remark: This training is also advised for students who want to be trained on vSphere v6.5 or v6.7.

Doelgroep:

System administrators System integrators

Doelstelling:

- By the end of the course, you should be able to meet the following objectives:
- Introduce troubleshooting principles and procedures
- Practice Linux commands that aid in the troubleshooting process
- Use command-line interfaces, log files, and the vSphere Client to diagnose and resolve problems in the vSphere environment
- Explain the purpose of key vSphere log files
- Identify networking problems based on reported symptoms, validate and troubleshoot the reported problem, identify the root cause and implement the appropriate resolution
- Analyze storage failure scenarios using a logical troubleshooting methodology, identify the root cause, and apply the appropriate resolution to resolve the problem
- Troubleshoot vSphere cluster failure scenarios and analyze possible causes
- Diagnose common VMware vSphere® High Availability problems and provide solutions
- Identify and validate VMware ESXi™ host and VMware vCenter Server® problems, analyze failure scenarios, and select the correct resolution
- Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connection problems
- Troubleshoot performance problems with vSphere components

Vereiste kennis en vaardigheden:

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- VMware vSphere: Fast Track [V6.x] or [V7] - (VSFT)
- VMware vSphere: Install, Configure, Manage [V6.x] or [V7] - (VSICM)
- VMware vSphere: Optimize and Scale [V6.x] or [V7] - (VSOS)
- Equivalent knowledge and administration experience with ESXi and vCenter Server

Experience in working with a command-line interface is highly recommended.

- VSFT - VMware vSphere: Fast Track
- VSICM - VMware vSphere: Install, Configure, Manage

Cursusinhoud:

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Introduction to Troubleshooting

- Define the scope of troubleshooting
- Use a structured approach to solve configuration and operational problems

- Apply a troubleshooting methodology to logically diagnose faults and improve troubleshooting efficiency

3 Troubleshooting Tools

- Use command-line tools (such as Linux commands, vSphere CLI, ESXCLI) to identify and troubleshoot

vSphere problems

- Identify important vSphere log files and interpret the log file contents

4 Troubleshooting Virtual Networking

- Analyze and resolve standard switch and distributed switch problems
- Analyze virtual machine connectivity problems and fix them
- Examine common management network connectivity problems and restore configurations

5 Troubleshooting Storage

- Troubleshoot and resolve storage (iSCSI, NFS, and VMware vSphere® VMFS) connectivity and

configuration problems

- Analyze and resolve common VM snapshot problems

- Identify multipathing-related problems, including common causes of permanent device loss (PDL) and all

- paths down (APD) events and resolve these problems

6 Troubleshooting vSphere Clusters

- Identify and recover from problems related to vSphere HA

- Analyze and resolve VMware vSphere® vMotion® configuration and operational problems

- Analyze and resolve common VMware vSphere® Distributed Resource Scheduler™ problems

7 Troubleshooting Virtual Machines

- Identify possible causes and resolve virtual machine power-on problems

- Troubleshoot virtual machine connection state problems

- Resolve problems seen during VMware Tools™ installations

8 Troubleshooting vCenter Server and ESXi

- Analyze and fix problems with vCenter Server services

- Analyze and fix vCenter Server database problems

- • Examine ESXi host and vCenter Server failure scenarios and resolve the problems

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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