OFERTA FORMATIVA

Detalles de contacto

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VMware vSphere: Advanced Troubleshooting Workshop [V6.7]

CÓDIGO:	DURACIÓN:	Precio:
VMW_VTSW67	40 Hours (5 días)	€2,060.00

Description

This five-day, hands-on training workshop provides you with the advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 6.x environment. This workshop increases your skill and competence in using the command-line interface, VMware vSphere® Client™, VMware vRealize® Log Insight™, and other tools to analyze and solve problems.

Product Alignment
• ESXi 6.7
• vCenter Server 6.7

Objetivos

By the end of the course, you should be able to meet the following objectives:
• Use vSphere Client, the command-line interface, and logs to diagnose and resolve problems in the vSphere environment
• Introduce troubleshooting principles and procedures
• Use VMware vSphere® Command-Line Interface to diagnose and resolve problems in the vSphere environment
• Troubleshoot networking problems and recover from these problems
• Analyze storage failure scenarios and resolve the problems
• Troubleshoot vSphere cluster failure scenarios and analyze possible causes
• Diagnose common VMware vSphere® High Availability problems and provide solutions
• Troubleshoot problems related to virtual machine migration (VMware vSphere® vMotion®), and improve resource use (VMware vSphere® Distributed Resource Scheduler™)
• Troubleshoot VMware vCenter Server® problems
• Identify VMware ESXi™ host problems, analyze failure scenarios, and correct them
• Troubleshoot faulty virtual machines, including installation problems, snapshot problems, and connection problems

Certifications
This course prepares you for the following certification:
• VMware Certified Professional 6.5 – Data Center Virtualization (VCP6.5-DCV)

Público

• System administrators
• System integrators

Requisitos Previos

This course requires completion of one of the following prerequisites:
• VMware Certified Professional 6.5 – Data Center Virtualization (VCP6.5-DCV) • VMware vSphere: Fast Track [V6.5]
• VMware vSphere: Install, Configure, Manage [V6.7]
• Equivalent knowledge and administration experience with ESXi and vCenter Server

Experience in working with a command-line interface is highly recommended, as is completion of VMware vSphere: Optimize and Scale [V6.7].

Programa

1 Course Introduction
- Introductions and course logistics
- Course objectives

2 Introduction to Troubleshooting
- Identify the effects of a system problem
- Define the scope of troubleshooting
- Use a structured approach
- Discuss the principles of troubleshooting
- Follow a logical troubleshooting procedure
- Examine examples of troubleshooting

3 Troubleshooting Tools
- Use command-line tools to identify and troubleshoot problems
- Use vSphere CLI
- Find and interpret important log files
- Use vRealize Log Insight for log aggregation, efficient log search, and problem analysis

4 Networking
- Identify the symptoms of network-related problems
- 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
- Identify and prevent potential problems

5 Storage
- Troubleshoot storage (iSCSI, NFS, VMware vSphere® VMFS, VMware vSAN™, and VMware vSphere® Virtual Volumes™) connectivity problems
- Analyze storage-related logs
- Analyze hardware malfunction and software misconfiguration scenarios
- Identify multipathing-related problems, including permanent device loss (PDL) and all paths down (APD)
- Analyze possible causes, recover from faulty conditions, and restore storage visibility

6 vSphere Clusters
- Identify and recover from problems related to vSphere HA
- Analyze and troubleshoot various types of vSphere vMotion problems related to virtual machine migrations
- Discuss and recover from vSphere DRS problems to achieve proper function and balanced resource use
- Examine vSphere cluster failure scenarios and possible solutions

7 Virtual Machines
- Analyze and resolve common virtual machine snapshot problems
- Identify possible causes and resolve virtual machine power-on problems
- Troubleshoot virtual machine connection state problems
- Resolve problems seen during VMware Tools™ installations
- Examine failure scenarios and provide solutions

8 vCenter Server and ESXi
- Describe the vCenter Server and VMware Platform Services Controller™ architecture in vSphere 6.x
- Identify and resolve authentication problems
- Troubleshoot VMware Certificate Authority and certificate problems
- Analyze and fix problems with vCenter Server services
- Analyze and fix vCenter Server database problems
- Identify VMware vCenter Server® High Availability problems
- Examine ESXi host and vCenter Server failure scenarios and resolve the problems

Fechas Programadas

A petición. Gracias por contactarnos.

Información Adicional

Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.