



Global Knowledge™



VMware vSphere: Troubleshooting Workshop

Duración: 5 Días Código del Curso: VST Version: 6.7

Temario:

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.

Dirigido a:

- System administrators
- System integrators

Objetivos:

- 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

Prerrequisitos:

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].

Exámenes y certificación

This course prepares you for the following certification:

- VMware Certified Professional 6.5 – Data Center Virtualization (VCP6.5-DCV)

Contenido:

Course Introduction	Networking	Virtual Machines
<ul style="list-style-type: none">■ Introductions and course logistics■ Course objectives	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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
Introduction to Troubleshooting	Storage	vCenter Server and ESXi
<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ Describe the vCenter Server and VMware Platform Services Controller™ architecture invSphere 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
Troubleshooting Tools	vSphere Clusters	
<ul style="list-style-type: none">■ 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	<ul style="list-style-type: none">■ 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	

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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