



Enterprise Computing Solutions - Education Services

## OFERTA FORMATIVA

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### Detalles de contacto

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CÓDIGO:	DURACIÓN:	Precio:
VMW_VSTS7	40 Hours (5 días)	A consultar

## Description

This five-day, hands-on 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.

## Objetivos

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

## Público

- System administrators
- System integrators

## Requisitos Previos

- VMware vSphere: Fast Track [V6.x] or [V7]
- VMware vSphere: Install, Configure, Manage [V6.x] or [V7]
- VMware vSphere: Optimize and Scale [V6.x] or [V7]
- Equivalent knowledge and administration experience with ESXi and vCenter Server
- Experience in working with a command-line interface is highly recommended.

## Programa

### 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

## Fechas Programadas

A petición. Gracias por [contactarnos](#).

## Información Adicional

[Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.](#)