



Enterprise Computing Solutions - Education Services

OFERTA FORMATIVA

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VMware vSAN: Production Operations v6.x

CÓDIGO:	DURACIÓN:	Precio:
VMW_SANPO6	16 Hours (2 días)	A consultar

Description

In this two-day course, you focus on building skills in configuring and performing common Day 2 administrator and end-user tasks with VMware vSAN™ 6.7. You gain practical experience with vSAN production operations through the completion of instructor-led activities and hands-on lab exercises.

Objetivos

By the end of the course, you should be able to meet the following objectives:

- Describe vSAN host operations
- Discuss vSAN networking requirements
- Define the tasks involved in hardware replacement in a vSAN cluster
- Perform vSAN cluster scale-out and scale-up operations
- Describe common vSAN maintenance operations
- Define the tasks required for updating and upgrading vSAN
- Describe vSAN security operations
- Configure a key management server (KMS) cluster
- Configure vSAN storage policies and observe the effects of a cluster-wide change
- Explain vSAN resilience and availability features
- Perform ongoing vSAN management tasks
- Use the vSAN health service to monitor health and performance

Público

Storage and virtual infrastructure administrators who are responsible for production support and administration of vSAN v6.x

Requisitos Previos

This course has the following prerequisites:

- Understanding of concepts presented in the [VMware vSphere: Install, Configure, Manage \[V6.x\]](#) course
- Storage administration experience with block or file storage devices

Completion of the [VMware vSAN: Deploy and Manage \[v6.x\]](#) course or equivalent experience with vSAN is desirable.

The course presumes that a student can perform the following tasks with no assistance or guidance before enrolling:

- Use VMware vSphere® Web Client
- Create and manage VMware vCenter Server® objects, such as data centers, clusters, hosts, and virtual machines
- Create and modify a standard switch
- Connect a VMware ESXi™ host to NAS, iSCSI, or Fibre Channel storage
- Create a VMware vSphere® VMFS datastore
- Use a wizard or a template to create a virtual machine
- Migrate a virtual machine with VMware vSphere® vMotion®
- Migrate a virtual machine with VMware vSphere® Storage vMotion®

If you cannot complete all of these tasks, VMware recommends that you complete the [VMware vSphere: Install, Configure, Manage \[V6.x\]](#) and [VMware vSAN: Deploy and Manage \[V6.x\]](#) courses before enrolling in VMware vSAN: Production Operations.

Programa

2 Introduction to vSAN

1 Course Introduction

- Describe the vSAN architecture and components
- Describe the differences between the vSAN hybrid and all-flash architectures
- Introductions and course logistics
- Describe the space-efficiency features of vSAN
- Course objectives
- Describe how vsanSparse snapshots work

3 vSAN Host Management

- Recognize the importance of hardware compatibility
- Use tools to automate driver validation and installation
- Apply host hardware settings for optimum performance
- Describe NIC teaming, Link Aggregation Control Protocol, and the benefits of using VMware vSphere® Distributed Switch™ in vSAN
- Plan for networking configuration changes
- Troubleshoot with ESXCLI commands

4 vSAN Policies and Resiliency

- Explain how storage policies work with vSAN
- Create and modify virtual machine storage policies
- Identify the effects of vSAN storage policy changes
- Monitor using the Ruby vSphere Console
- Describe vSAN resiliency, availability, and backup features and operations
- Manage hardware device failures

5 Cluster Maintenance

- Perform typical vSAN maintenance operations
- Upgrade and update vSAN
- Replace vSAN hardware by using scale-in and scale-out strategies

6 vSAN Security Operations

- Describe vSAN datastore encryption and Key Management Server (KMS) architecture
- Integrate a KMS
- Configure encryption in the vSAN cluster
- Compare virtual machine and vSAN encryption
- Perform ongoing operations to maintain data security
- Add an encrypted cluster to vCenter Server

7 vSAN Monitoring and Performance

- Identify common alerts, alarms, and notifications related to vSAN in vSphere Web Client
- Use the health service to monitor vSAN health
- Use the performance service to monitor vSAN performance
- Proactively monitor and test the vSAN environment
- Use the vSAN health CLI and Ruby vSphere Console (RVC) when vSphere Web Client is unavailable
- Use ESXCLI commands to monitor the vSAN environment
- Verify that the vSAN environment is functioning properly and performing as expected

Fechas Programadas

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

Información Adicional

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