

VMware vSAN: Production Operations V6.7

Varighed: 2 Days **Kursus Kode: VMVSANPO** **Version: 6.7** **Leveringsmetode: Company event (Firmakursus)**

Beskrivelse:

In this two-day course, you focus on building skills in configuring and performing common 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.

Product Alignment

- ESXi 6.7
- vCenter Server 6.7
- vSAN 6.7

Firmakursus

Med et firmakursus bliver jeres it-kompetenceudvikling målrettet jeres behov. Det betyder, at vi hjælper med at finde og sammensætte det helt rigtige kursusindhold og den helt rigtige form. Kurset kan afvikles hos os eller kunden, standard eller virtuelt.

Målgruppe:

Main target audience for this training are: Storage and virtual infrastructure administrators who are responsible for production support and administration of vSAN v6.x

Agenda:

- 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

Forudsætninger:

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 (VMVSAN) 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] (VSICM) and VMware vSAN: Deploy and Manage [V6.x] (VMVSAN) courses before enrolling in VMware vSAN: Production Operations (VMVSANPO).

Indhold:

1. Course Introduction	<ul style="list-style-type: none">• Plan for networking configuration changes	<ul style="list-style-type: none">• Describe vSAN datastore encryption and Key Management Server (KMS) architecture
<ul style="list-style-type: none">• Introductions and course logistics	<ul style="list-style-type: none">• Troubleshoot with ESXCLI commands	<ul style="list-style-type: none">• Integrate a KMS
<ul style="list-style-type: none">• Course objectives	4. vSAN Policies and Resiliency	<ul style="list-style-type: none">• Configure encryption in the vSAN cluster
2. Introduction to vSAN	<ul style="list-style-type: none">• Explain how storage policies work with vSAN	<ul style="list-style-type: none">• Compare virtual machine and vSAN encryption
<ul style="list-style-type: none">• Describe the vSAN architecture and components	<ul style="list-style-type: none">• Create and modify virtual machine storage policies	<ul style="list-style-type: none">• Perform ongoing operations to maintain data security
<ul style="list-style-type: none">• Describe the differences between the vSAN hybrid and all-flash architectures	<ul style="list-style-type: none">• Identify the effects of vSAN storage policy changes	<ul style="list-style-type: none">• Add an encrypted cluster to vCenter Server
<ul style="list-style-type: none">• Describe the space-efficiency features of vSAN	<ul style="list-style-type: none">• Monitor using the Ruby vSphere Console	7. vSAN Monitoring and Performance
<ul style="list-style-type: none">• Describe how vsanSparse snapshots work	<ul style="list-style-type: none">• Describe vSAN resiliency, availability, and backup features and operations	<ul style="list-style-type: none">• Identify common alerts, alarms, and notifications related to vSAN in vSphere Web Client
3. vSAN Host Management	<ul style="list-style-type: none">• Manage hardware device failures	<ul style="list-style-type: none">• Use the health service to monitor vSAN health
<ul style="list-style-type: none">• Recognize the importance of hardware compatibility	5. Cluster Maintenance	<ul style="list-style-type: none">• Use the performance service to monitor vSAN performance
<ul style="list-style-type: none">• Use tools to automate driver validation and installation	<ul style="list-style-type: none">• Perform typical vSAN maintenance operations	<ul style="list-style-type: none">• Proactively monitor and test the vSAN environment
<ul style="list-style-type: none">• Apply host hardware settings for optimum performance	<ul style="list-style-type: none">• Upgrade and update vSAN	<ul style="list-style-type: none">• Use the vSAN health CLI and Ruby vSphere Console (RVC) when vSphere Web Client is unavailable
<ul style="list-style-type: none">• Describe NIC teaming, Link Aggregation Control Protocol, and the benefits of using VMware vSphere® Distributed	<ul style="list-style-type: none">• Replace vSAN hardware by using scale-in and scale-out strategies	<ul style="list-style-type: none">• Use ESXCLI commands to monitor the vSAN environment
Switch™ in vSAN	6. vSAN Security Operations	<ul style="list-style-type: none">• Verify that the vSAN environment is functioning properly and performing as expected

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

training@globalknowledge.dk

www.globalknowledge.com/da-dk/

Global Knowledge, Stamholmen 110, 2650 Hvidovre