



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Vous pouvez nous joindre ici**

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<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
VMW_VSANDM67	24 Hours (3 Jours)	€2,070.00

## Description

In this three-day course, you focus on deploying and managing a software-defined storage solution with VMware vSAN™ 6.7. You learn how vSAN functions as an important component in the VMware software-defined data center. You gain practical experience with vSAN concepts through the completion of hands-on lab exercises.

## Objectifs

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

- Describe the vSAN architecture
- Identify vSAN features and use cases
- Configure vSAN networking components
- Configure a vSAN cluster
- Deploy virtual machines on a vSAN datastore
- Configure virtual machine storage policies
- Perform ongoing vSAN management tasks
- Configure vSAN encryption
- Control vSAN resynchronization tasks
- Create and manage nested fault domains
- Use the vSAN health service to monitor health and performance
- Configure a stretched cluster and observe failover scenarios
- Describe vSAN interoperability with VMware vSphere® features and other products
- Plan and design a vSAN cluster

## Audience

Storage and virtual infrastructure administrators who want to use software-defined storage with vSAN

## Prérequis

This course requires meeting one of the following prerequisites:

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

Experience working at the command line is helpful.

## Programme

1 Course Introduction • Introductions and course logistics • Course objectives • Describe the software-defined data center  
2 Introduction to vSAN • Describe basic vSAN architecture and components  
• Describe the differences between file, block, and object storage • Explain the advantages of object-based storage  
• Detail the configuration of a vSAN cluster • Install and validate the initial vSAN installation and configuration  
3 vSAN Configuration • Apply vSAN design considerations • Detail the expansion of a vSAN cluster  
• Configure vSAN disk groups manually • Identify physical network configuration requirements  
• Describe the configuration of vSAN networking • Test and validate the vSAN configuration and functionality  
• Describe the vSAN architecture and components • Describe the differences between the vSAN hybrid and all-flash architectures  
• Describe the advantages of all-flash architecture • Describe the space-efficiency features of vSAN  
• Describe the different vSAN assessment tools • Explain vSAN License Details  
4 vSAN Policies and Virtual Machines  
• Explain how storage policies work with vSAN • Define and create a virtual machine storage policy  
• Apply and modify virtual machine storage policies • Change virtual machine storage policies dynamically  
• Identify virtual machine storage policy compliance status  
5 Managing and Operating vSAN  
• Explain how to configure encryption in the vSAN cluster • Explain the management of hardware storage devices  
• Identify alarms for vSAN events • Describe and configure fault domains  
• Describe the configuration of the vSAN iSCSI service, iSCSI targets, and LUNS  
6 Stretched Clusters and Two-Node Clusters  
• Describe the architecture for stretched clusters and two-node clusters • Create a stretched cluster  
• Describe how stretched cluster storage policies affect vSAN objects  
• Create and apply a vSAN stretched cluster policy to meet specific needs  
• Discuss the behavior of a stretched cluster when various types of failures occur  
7 Monitoring and Troubleshooting vSAN  
• Discuss hardware failure scenarios • Describe the process of resynchronization  
• Explain the possible reasons for resynchronization • Describe the use of vSphere Client to detect issues

- Explain the use of the health service to monitor vSAN health
- Explain the use of the performance service to monitor vSAN performance. • Monitor and test the vSAN environment
- Describe vSAN architecture components and the PNOMA OSI model.

## **Dates de session**

Sur demande. [Merci de nous contacter](#)

## **Informations Complémentaires**

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.