



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Sie erreichen uns unter

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CODE:	LÄNGE:	PREIS:
VMW_VSANPD7	16 Hours (2 Tage)	€1,380.00

Description

This two-day, hands-on training course provides you with the knowledge, skills, and tools to plan and deploy a VMware vSAN™ cluster. In this course, you are taught the many considerations that the vSAN configuration has on the initial planning of the vSAN datastore. You also manually configure a vSAN cluster.

Lernziel

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

- Explain the key features and use cases for vSAN
- Detail the underlying vSAN architecture and components
- Describe the different vSAN deployment options
- Detail vSAN cluster requirements and considerations
- Apply recommended vSAN design considerations and capacity sizing practices
- Explain the influence of vSAN objects and components on the initial cluster plan
- Determine and plan for storage consumption by data growth and failure tolerance
- Design vSAN hosts for operational needs
- Explain Maintenance Mode use and its impacts on vSAN
- Apply best practices for vSAN network configurations
- Manually configure a vSAN cluster using VMware vSphere® Client™
- Explain and configure vSAN fault domains
- Understand and apply vSAN storage policies
- Define encryption in the vSAN cluster
- Describe the architecture and use cases for stretched clusters
- Configure a stretched cluster
- Understand the steps involved in creating the vSAN iSCSI target services

Zielgruppe

- Experienced VMware vSphere® administrators

Voraussetzungen

You should have the following understanding or knowledge:

- Understanding of concepts presented in the VMware vSphere: Install, Configure, Manage course
- Knowledge of basic storage concepts
- Experience using vSphere Client to perform administrative tasks on vSphere clusters

Inhalt

- 2 Introduction to vSAN
 - Describe vSAN architecture
 - Describe the advantages of object-based storage
 - Describe the difference between All-Flash and Hybrid vSAN architecture
 - Explain the key features and use cases for vSAN
 - Discuss the vSAN integration and compatibility with other VMware technologies
 - Identify vSAN objects and components
 - Describe a vSAN object
 - Describe how objects are split into components
 - Explain the purpose of witness components
- 1 Course Introduction
 - Introductions and course logistics
 - Course objectives
 - Explain how vSAN stores large objects
 - View object and component placement on the vSAN datastore
- 3 Planning a vSAN Cluster
 - Identify requirements and planning considerations for vSAN clusters
 - Apply vSAN cluster planning and deployment best practices
 - Determine and plan for storage consumption by data growth and failure tolerance
 - Design vSAN hosts for operational needs
 - Identify vSAN networking features and requirements
 - Describe ways of controlling traffic in a vSAN environment
 - Recognize best practices for vSAN network configurations
- 4 Deploying a vSAN Cluster
 - Deploy and configure a vSAN cluster using the Cluster QuickStart wizard
 - Manually configure a vSAN cluster using vSphere Client
 - Explain and configure vSAN fault domains
 - Using VMware vSphere® High Availability with vSAN
 - Understand vSAN cluster maintenance capabilities
 - Describe the difference between implicit and explicit fault domains
 - Create explicit fault domains
- 5 vSAN Storage Policies
 - Explain how storage policies work with vSAN
 - Explain the role of storage policies in planning a vSAN cluster
 - Define and create virtual machine storage policies
 - Apply and modify virtual machine storage policies
 - Change virtual machine storage policies dynamically
 - Identify virtual machine storage policy compliance status
- 6 Introduction to Advanced vSAN Configurations
 - Define and configure compression and deduplication in the vSAN cluster
 - Define and configure encryption in the vSAN cluster
 - Understand the remote vSAN datastore topology
 - Identify the operations involved in managing the remote vSAN datastore
 - Configure the vSAN iSCSI target service
- 7 vSAN Stretched and Two-Node Clusters
 - Describe the architecture and use cases for stretched clusters
 - Detail the deployment and replacement of a vSAN witness node
 - Describe the architecture and use cases for two-node clusters
 - Explain the benefits of vSphere HA and VMware Site Recovery Manager™ in a vSAN stretched cluster
 - Explain storage policies for vSAN stretched cluster

Kurstermine

Datum	Lokation	Time Zone	Sprache	Type	Durchführungsgarantie	PREIS
17 Feb 2025	Virtual Classroom	CET	German	Instructor Led Online		€1,380.00
02 Jun 2025	Virtual Classroom	CEDT	German	Instructor Led Online		€1,380.00
13 Oct 2025	Virtual Classroom	CEDT	German	Instructor Led Online		€1,380.00

Zusätzliche Information

[Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.](#)