

Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vSAN: Plan and Deploy [V7]

Kod: Czas trwania: Cena netto:

VMW VSANPD7 16 Hours (2 days) zł4,100.00

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.

Product Alignment:

VMware vSAN 7.0 U1

Cel szkolenia

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

Uczestnicy

Experienced VMware vSphere administrators.

Wymagania wstępne

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

Program szkolenia

1. Course Introduction

- · Introductions and course logistics
- · Course objectives

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
- 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

Terminy

Na żądanie. Prosimy o kontakt

Dodatkowe informacje

Jeśli interesują Cię inne szkolenia tego producenta - skontaktuj się z nami.