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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

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

1. Course Introduction
• Introductions and course logistics
• Course objectives
• 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.