

Szkolenie: HPE
VMware vSAN: Deploy and Manage

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	4800 PLN NETTO*	3 dni
Stacjonarne	Tablet CTAB	5400 PLN NETTO*	3 dni
Metoda dlearning	Tradycyjne	4800 PLN NETTO*	3 dni
Metoda dlearning	Tablet CTAB	5400 PLN NETTO*	3 dni

* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

Cel szkolenia:

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.

Plan szkolenia:

- Course Introduction
 - Introductions and course logistics
 - Course objective
 - Describe the software-defined data center
- 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
- 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
- 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
- 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
- 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
- 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

Wymagania:

One of the following prerequisites must be completed prior to this course

- 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

- The course material presumes that a student can perform the following tasks with no assistance or guidance:
 - Use VMware vSphere® Client™
 - Create and manage VMware vCenter Server® objects, such as data centers, clusters, hosts, and virtual machines
 - Create and modify a standard switch
 - Create and modify a distributed switch

Poziom trudności



Certyfikaty:

After completing the course, participants receive a certificate of completion of course.

Prowadzący:

Authorized VMware Trainer.