

Szkolenie: HPE
VMware vSphere: Skills for Operators



FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	3000 PLN NETTO*	2 dni
Stacjonarne	Tablet CTAB	3600 PLN NETTO*	2 dni
Metoda dlearning	Tradycyjne	3000 PLN NETTO*	2 dni
Metoda dlearning	Tablet CTAB	3600 PLN NETTO*	2 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 virtualization, virtual machines, and vSphere components
- Describe the concepts of server, network, storage, and desktop virtualization
- Deploy, configure, clone, and manage virtual machines
- Use VMware vCenter Server® to monitor virtual machine resource usage
- Use VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® to migrate virtual machines
- Use VMware vSphere® Distributed Resource Scheduler™ and VMware vSphere® High Availability to optimize the performance of your vSphere virtual environment

Audience

Technical professionals with system administration skills and operators responsible for managing virtual machines using VMware ESXi™ and vCenter Server.

Plan szkolenia:

- Course Introduction
 - Introductions and course logistics
 - Course objectives

- Introduction to vSphere and the Software- Defined Data Center
 - Describe how vSphere fits into the software-defined data center and the cloud infrastructure
 - Explain how vSphere interacts with CPUs, memory, networks, and storage
 - Use vSphere Client to access and manage your vCenter Server system and ESXi host
 - Compare virtual machine hardware version 14 to other versions
 - Identify the virtual network adapters, and describe the enhanced VMXNET3
 - Compare the types of virtual disk provisioning
- Creating Virtual Machines
 - Create, provision, and remove a virtual machine
 - Explain the importance of VMware Tools™
 - Describe how to import a virtual appliance OVF template
- vCenter Server
 - Describe the vCenter Server architecture
 - Discuss how ESXi hosts communicate with vCenter Server
 - Use vSphere Client to manage the vCenter Server inventory
 - Add data center and organizational objects to vCenter Server
 - Add hosts to vCenter Server
 - Discuss how to create custom inventory tags for inventory objects
 - Monitor VMware vCenter® Server Appliance™
 - Monitor vCenter Server Appliance for service and disk space usage
 - Use vSphere alarms for resource exhaustion and service failures
- Configuring and Managing Virtual Networks
 - Describe the virtual switch connection types
 - Configure and view standard switch configurations, such as virtual machine port group, VMkernel port, VLAN, and security features
 - List the features comparison of standard and distributed switches
- Virtual Storage
 - Describe vSphere storage technologies and datastores
- Virtual Machine Management
 - Use templates and cloning to deploy new virtual machines
 - Enable guest operating system customization by vCenter Server
 - Upgrade a virtual machine's hardware
 - Perform an instant clone of a VM
 - Describe virtual machine settings and options
 - Add a hot-pluggable device
 - Dynamically increase the size of a virtual disk

- Add a raw device mapping (RDM) to a virtual machine
- Perform a vSphere vMotion migration
- Perform a vSphere Storage vMotion migration
- Resource Management and Monitoring
 - Use the performance-tuning methodology and resource monitoring tools
 - Use performance charts to view and improve performance
 - Monitor the key factors that can affect the virtual machine's performance: CPU, memory, disk, and network bandwidth use
 - Create alarms with condition-based triggers
 - Create alarms with event-based triggers
 - View and acknowledge triggered alarms
- vSphere HA
 - Describe the options that you can configure to make your vSphere environment highly available
 - Discuss the response of vSphere HA when an ESXi host, a virtual machine, or an application fails
- vSphere DRS
 - Describe the functions of a vSphere DRS cluster
 - Create a vSphere DRS cluster
 - View information about a vSphere DRS cluster
 - Remove a host from a vSphere DRS cluster

Wymagania:

This course requires completion of one of the following prerequisites:

- System administration experience on Microsoft, Linux, and Solaris
- Understanding of basic network and storage concepts

Poziom trudności



Certyfikaty:

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

Prowadzący:

Authorized VMware Trainer.