

Szkolenie: HPE
VMware vSphere: Optimize and Scale



DOSTĘPNE TERMINY

2021-06-07 | 5 dni | Wirtualna sala

Cel szkolenia:

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

- Configure and manage vSphere networking and storage for a large and sophisticated enterprise
- Use VMware vSphere® Client™, VMware vSphere® Web Client, and VMware vSphere® ESXi™ Shell to manage vSphere
- Create a content library for deploying virtual machines
- Use VMware vSphere® Auto Deploy™ and host profiles to provision VMware ESXi™ hosts and manage ESXi host compliance
- Monitor and analyze key performance indicators for compute, storage, and networking resources for ESXi hosts
- Optimize the performance of ESXi and VMware vCenter Server®
- Harden the vSphere environment against security threats
- Encrypt virtual machines for additional security

Audience

- System architects
- system administrators
- IT managers
- VMware partners
- individuals responsible for implementing and managing vSphere architectures

Plan szkolenia:

- Course Introduction
 - Introductions and course logistics
 - Course objectives
 - Identify additional resources for after this course

- Identify other VMware Education offerings
- Network Scalability
 - Configure and manage vSphere distributed switches
 - Explain distributed switch features such as port mirroring, LACP, QoS tagging, and NetFlow
- Storage Scalability
 - Explain VMware vSphere® Storage APIs - Array Integration, VMware vSphere® API for Storage Awareness™, and vSphere APIs for I/O Filtering
 - Configure and assign virtual machine storage policies
 - Configure VMware vSphere® Storage DRS™ and VMware vSphere® Storage I/O Control
- Host and Management Scalability
 - Define and use content libraries
 - Describe and use host profiles
 - Describe and use VMware vSphere® ESXi™ Image Builder CLI and vSphere Auto Deploy
- CPU Optimization
 - Explain the CPU scheduler operation, NUMA support, and other features that affect CPU performance
 - Use esxtop to monitor key CPU performance metrics
- Memory Optimization
 - Explain ballooning, memory compression, and host-swapping techniques for memory reclamation when memory is overcommitted
 - Use esxtop to monitor key memory performance metrics
- Storage Optimization
 - Describe storage queue types and other factors that affect storage performance
 - Use esxtop to monitor key storage performance metrics
- Network Optimization
 - Explain the performance features of network adapters
 - Explain the performance features of vSphere networking
 - Use esxtop to monitor key network performance metrics
- vCenter Server Performance Optimization
 - Describe the factors that influence vCenter Server performance
 - Monitor VMware vCenter® Server Appliance™ resource usage
- vSphere Security
 - Configure ESXi host access and authorization
 - Secure ESXi, vCenter Server, and virtual machines
 - Use VMware Certificate Authority to configure vSphere certificate management
 - Configure vSphere to encrypt virtual machines, core dumps and VMware vSphere®

vMotion® migrations

Wymagania:

You must complete one of the following prerequisites:

- Understanding of concepts presented in the VMware vSphere: Install, Configure, Manage [V6.7] course
- Equivalent knowledge and administration experience with ESXi and vCenter Server

Experience with working at the command line is highly recommended.

Poziom trudności



Certyfikaty:

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

Prowadzący:

Authorized VMware Trainer.