



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Kód:	DÉLKA:	CENA:
VMW_VSOS7	40 Hours (5 DENNÍ)	Kč bez DPH 52,000.00

Description

Tento pětidenní kurz vás naučí pokročilé dovednosti pro konfiguraci a údržbu vysoce dostupné a škálovatelné virtuální infrastruktury. Prostřednictvím kombinace prezentace a praktických labů konfiguruji a optimalizujete funkce VMware vSphere® 7, které vytvářejí základ pro skutečně škálovatelnou infrastrukturu. Můžete diskutovat o tom, kdy a kde tyto funkce mají největší účinek. Zúčastněte se tohoto kurzu, abyste prohloubili své porozumění vSphere a zjistili, jak jeho pokročilé funkce a ovládací prvky mohou prospět vaší organizaci.

Cena školení je 2060 EUR bez DPH - tato cena bude při fakturaci přepočtena aktuálním kurzem.

Cíle

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™ to manage certificates
- Use Identity Federation to configure VMware vCenter Server® to use Microsoft ADFS
- Use VMware vSphere® Trust Authority™ to secure the infrastructure for encrypted VMs
- Use host profiles to manage VMware ESXi™ host compliance
- Create and manage a content library for deploying virtual machines
- Manage VM resource usage with resource pools
- Monitor and analyze key performance indicators for compute, storage, and networking resources for ESXi hosts
- Optimize the performance of ESXi and VMware vCenter Server®
- Discuss the purpose and capabilities of VMware vSphere® with Kubernetes and how it fits into the VMware Tanzu™ portfolio

Určeno pro

Experienced system administrators, system engineers, and system integrators

Vstupní znalosti

You must complete one of the following prerequisites:

- Understanding of concepts presented in the VMware vSphere: Install, Configure, Manage [V7] course
 - Equivalent knowledge and administration experience with ESXi and vCenter Server
- Experience with working at the command line is highly recommended.

Program

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| 1 Course Introduction | 2 Network Scalability |
| • Introductions and course logistics | • Configure and manage vSphere distributed switches |
| • Course objectives | • Describe how VMware vSphere® Network I/O Control enhances performance |
| • Explain distributed switch features such as port mirroring and NetFlow | |
| 3 Storage Scalability | |
| • Explain why VMware vSphere® VMFS is a high-performance, scalable file system | |
| • 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 | |
| • Create VMware vSAN™ storage policies | |
| • Configure VMware vSphere® Storage DRS™ and VMware vSphere® Storage I/O Control | |
| • Discuss vSphere support for NVMe and iSER | |

4 Host and Management Scalability

- Use the vSphere Client to manage vSphere certificates
- Describe identity federation and recognize its use cases
- Configure identity federation
- Describe the benefits and use cases of vSphere Trust Authority
- Configure vSphere Trust Authority
- Use host profiles to manage ESXi configuration compliance
- Manage and update VM templates in content libraries
- Create and manage resource pools in a cluster

5 CPU Optimization

- Explain the CPU scheduler operation and other features that affect CPU performance
- Explain NUMA and vNUMA support
- Use esxtop to monitor key CPU performance metrics

6 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

7 Storage Optimization

- Describe storage queue types and other factors that affect storage performance
- Use esxtop to monitor key storage performance metrics

8 Network Optimization

- Explain performance features of network adapters
- Explain the performance features of vSphere networking
- Use esxtop to monitor key network performance metrics

9 vCenter Server Performance Optimization

- Describe the factors that influence vCenter Server performance
- Use VMware vCenter® Server Appliance™ tools to monitor resource use

10 Introduction to vSphere with Kubernetes

- Differentiate between containers and virtual machines
- Identify the parts of a container system
- Recognize the basic architecture of Kubernetes
- Describe a basic Kubernetes workflow
- Describe the purpose of vSphere with Kubernetes and how it fits into the VMware Tanzu portfolio
- Explain the vSphere with Kubernetes supervisor cluster
- Describe the Tanzu Kubernetes Grid service

Termíny školení

Termíny školení na vyžádání, [kontaktujte nás prosím](#)

Dodatečné informace

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)