



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Kód:	DÉLKA:	CENA:
VMW_VSFT7	40 Hours (5 DENNÍ)	Kč bez DPH 53,000.00

Description

Tento pětidenní intenzivní kurz vás provede od základních až k pokročilým dovednostem správy VMware vSphere® 7. V návaznosti na obsah instalace a konfigurace z našeho nejprodávanějšího kurzu ICM budete také rozvíjet pokročilé dovednosti potřebné pro správu a údržbu vysoce dostupné a škálovatelné virtuální infrastruktury. Prostřednictvím kombinace prezentací a praktických labů projdete instalací, konfigurací a správou vSphere 7. Prozkoumáte funkce, které vytvářejí základ pro skutečně škálovatelnou infrastrukturu, a zjistíte, kdy a kde tyto funkce mají největší účinek. Tento kurz vás připraví na správu infrastruktury vSphere pro organizaci libovolné velikosti pomocí vSphere 7, která zahrnuje VMware ESXi™ 7 a VMware vCenter Server® 7. Nová školení za cenu původní verze!

V tuto chvíli zůstávají původní ceny. Vyhrazujeme si právo změnit ceny kurzů.

Cíle

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

- Describe the software-defined data center (SDDC)
- Explain the vSphere components and their function in the infrastructure
- Install and configure VMware ESXi™ hosts
- Deploy and configure VMware vCenter® Server Appliance™
- Use VMware vSphere® Client™ to manage the vCenter Server inventory and the vCenter Server configuration
- Manage, monitor, back up, and protect vCenter Server Appliance
- Create virtual networks with vSphere standard switches
- Describe the storage technologies supported by vSphere
- Configure virtual storage using iSCSI and NFS storage
- Create and manage VMware vSphere® VMFS datastores
- Use the vSphere Client to create virtual machines, templates, clones, and snapshots
- Create a content library and deploy virtual machines from templates in the library
- Manage virtual machine resource use and manage resource pools
- Migrate virtual machines with VMware vSphere® vMotion® and VMware vSphere® Storage vMotion®
- Create and manage a vSphere cluster that is enabled with VMware vSphere® High Availability and VMware vSphere® Distributed Resource Scheduler™
- Create virtual networks with VMware vSphere® Distributed Switch™ and enable distributed switch features
- Discuss solutions for managing the vSphere life cycle
- Use VMware vSphere® Lifecycle Manager™ to apply patches and perform upgrades to ESXi hosts and virtual machines
- Use host profiles to manage ESXi configuration compliance
- Describe how vSphere storage APIs help storage systems integrate with vSphere
- Configure and use virtual machine storage policies
- Discuss the purpose and capabilities of VMware vSphere® with Kubernetes and how it fits into the VMware Tanzu™ portfolio

Určeno pro

- System administrators
- System engineers

Vstupní znalosti

- System administration experience on Microsoft Windows or Linux operating systems

Program

- 2 Introduction to vSphere and the Software-Defined Data Center
 - Explain basic virtualization concepts
 - Describe how vSphere fits into the software-defined data center and the cloud infrastructure
 - Explain how vSphere interacts with CPUs, memory, networks, and storage
 - Recognize the user interfaces for accessing the vCenter Server system and ESXi hosts
 - Use VMware Host Client™ to access and manage ESXi host
- 1 Course Introduction
 - Introductions and course logistics
 - Course objectives
- 3 Virtual Machines
 - Create and remove a virtual machine
 - Provision a virtual machine with virtual devices
 - Identify the files that make up a virtual machine
 - Explain the importance of VMware Tools™
- 4 vCenter Server
 - Describe the vCenter Server architecture
 - Discuss how ESXi hosts communicate with vCenter Server
 - Deploy and configure vCenter Server Appliance
 - Use the vSphere Client to manage the vCenter Server inventory
 - Add data center, organizational objects, and hosts to vCenter Server
 - Use roles and permissions to enable users to access objects in the vCenter Server inventory
 - Back up vCenter Server Appliance
 - Monitor vCenter Server tasks, events, and appliance health
 - Use vCenter Server High Availability to protect a vCenter Server Appliance
- 5 Configuring and Managing Virtual Networks
 - Create and manage standard switches
 - Describe the virtual switch connection types
 - Configure virtual switch security, traffic-shaping and load-balancing policies
 - Compare vSphere distributed switches and standard switches
- 6 Configuring and Managing Virtual Storage
 - Identify storage protocols and storage device types
 - Discuss ESXi hosts using iSCSI, NFS, and Fibre Channel storage
 - Create and manage VMFS and NFS datastores
 - Explain how multipathing works with iSCSI, NFS, and Fibre Channel storage
 - Deploy virtual machines on a VMware vSAN™ datastore
- 7 Virtual Machine Management
 - Use templates and cloning to deploy new virtual machines
 - Modify and manage virtual machines
 - Create a content library and deploy virtual machines from templates in the library
 - Dynamically increase the size of a virtual disk
 - Use customization specification files to customize a new virtual machine
 - Perform vSphere vMotion and vSphere Storage vMotion migrations
 - Create and manage virtual machine snapshots
 - Examine the features and functions of VMware vSphere® Replication™
- 8 Resource Management and Monitoring
 - Discuss CPU and memory concepts in a virtualized environment
 - Describe what overcommitment of a resource means
 - Describe methods for optimizing CPU and memory usage
 - Use various tools to monitor resource use
 - Create and use alarms to report certain conditions or events
- 9 vSphere Clusters
 - Describe options for making a vSphere environment highly available
 - Explain the vSphere HA architecture
 - Configure and manage a vSphere HA cluster
 - Examine the features and functions of VMware vSphere® Fault Tolerance
 - Configure a vSphere cluster using ESXi Cluster Quickstart
 - Describe the functions of a vSphere DRS cluster
 - Create a vSphere DRS cluster
- 10 Network Scalability
 - Configure and manage vSphere distributed switches
 - Describe how VMware vSphere® Network I/O Control enhances performance
 - Explain distributed switch features such as port mirroring and NetFlow
- 11 vSphere Lifecycle Management
 - Describe how VMware vSphere® Lifecycle Manager™ works
 - Use vSphere Lifecycle Manager to update ESXi hosts in a cluster
- 12 Host and Management Scalability
 - Use host profiles to manage ESXi configuration compliance
 - Create and manage resource pools in a cluster

13 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

14 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.](#)