

VMware vSphere with Tanzu: Deploy Configure Manage [V8]

Kód kurzu: VMWVSKDM7

Počas tohto trojdňového kurzu sa zamierame na nasadenie a správu VMware vSphere® s Tanzu. Dozviete sa, ako je možné vSphere s Tanzu využiť k automatizovanému doručeniu Kubernetes klastrov a kontajnerových aplikácií v prostredí VMware vSphere®.

Pobočka	Dní	Katalógová cena	ITB
Praha	3	34 000 Kč	0
Bratislava	3	1 420 €	0

Všetky ceny sú uvedené bez DPH.

Termíny kurzu

Dátum	Dní	Cena kurzu	Typ výučby	Jazyk výučby	Lokalita
29.09.2025	3	34 000 Kč	Online	EN	TD SYNnex AS Czech - Online
07.10.2025	3	34 000 Kč	Prezenčný	CZ/SK	TD SYNnex AS Czech
07.10.2025	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
07.10.2025	3	1 420 €	Online	CZ/SK	Online
07.10.2025	3	1 420 €	Prezenčný	CZ/SK	Bratislava
27.10.2025	3	34 000 Kč	Online	EN	TD SYNnex AS Czech - Online
24.11.2025	3	34 000 Kč	Online	EN	TD SYNnex AS Czech - Online
08.12.2025	3	34 000 Kč	Prezenčný	CZ/SK	TD SYNnex AS Czech
08.12.2025	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
08.12.2025	3	1 420 €	Online	CZ/SK	Online
08.12.2025	3	1 420 €	Prezenčný	CZ/SK	Bratislava
23.03.2026	3	34 000 Kč	Online	EN	TD SYNnex AS Czech - Online
07.04.2026	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
07.04.2026	3	34 000 Kč	Prezenčný	CZ/SK	TD SYNnex AS Czech
26.05.2026	3	34 000 Kč	Online	EN	TD SYNnex AS Czech - Online
03.06.2026	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
03.06.2026	3	34 000 Kč	Prezenčný	CZ/SK	TD SYNnex AS Czech
22.06.2026	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
06.10.2026	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
06.10.2026	3	34 000 Kč	Prezenčný	CZ/SK	TD SYNnex AS Czech
07.12.2026	3	34 000 Kč	Online	CZ/SK	TD SYNnex AS Czech - Online
07.12.2026	3	34 000 Kč	Prezenčný	CZ/SK	TD SYNnex AS Czech

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Who is the course for

Experienced system administrators and system integrators responsible for designing and implementing vSphere with Tanzu

What we teach you

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

- Describe vSphere with Tanzu and use cases in on-premises environments
- Deploy vSphere with Tanzu
- Describe VMware Tanzu Mission Control
- Describe the VMware NSX® networking requirements for vSphere with Tanzu.
- Describe vSphere with Tanzu on NSX-T Data Center
- Describe vSphere with Tanzu on vSphere Distributed Switch
- Create and manage vSphere with Tanzu namespaces
- Deploy and run container applications on vSphere with Tanzu
- Deploy and configure Harbor
- Describe the VMware Tanzu™ Kubernetes Grid™ service
- Deploy a Tanzu Kubernetes Grid cluster
- Deploy and run container applications on a Tanzu Kubernetes Grid cluster
- Describe the vSphere with Tanzu lifecycle
- Use logs and CLI commands to monitor and troubleshoot vSphere with Tanzu

Required skills

This course requires completion of one of the following courses:

- VMware vSphere: Install, Configure, Manage
- VMware vSphere: Optimize and Scale

Experience working at the command line is helpful.

This course requires that a student be able to perform the following tasks with no assistance or guidance before enrolling in this course:

- Create VMware vCenter Server® objects, such as data centers and folders
- Create a virtual machine using a wizard or a template
- Modify a virtual machine's hardware
- Migrate a virtual machine with VMware vSphere® vMotion®
- Migrate a virtual machine with VMware vSphere® Storage vMotion®
- Configure and manage a vSphere DRS cluster with resource pools
- Configure and manage a VMware vSphere® High Availability cluster

If you cannot perform all of these tasks, VMware recommends that you complete one of the prerequisite courses before enrolling in VMware vSphere with Tanzu: Deploy & Manage.

Teaching methods

Professional explanation with practical samples and examples.

Teaching materials

VMware guide book for this course.

Course outline

1 Course Introduction

- Introductions and course logistics

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- Course objectives
- ## 2 Introduction to Containers and Kubernetes
- Describe virtual machines and containers
 - Describe container hosts
 - Describe container engines
 - Describe Dockerfile
 - Describe container images
 - Describe image registry
 - Describe the purpose and functionality of Kubernetes
 - Describe YAML manifest files
 - Explain pods
 - Explain Replica Sets
 - Explain services
 - Explain deployments
 - Explain network policies
- ## 3 Introduction to vSphere with Tanzu
- Introduce the Cloud Native Computing Foundation
 - Introduce the VMware Tanzu™ portfolio
 - Describe the purpose and functionality of vSphere with Tanzu
 - Describe the capabilities of vSphere with Tanzu
 - Describe the components of vSphere with Tanzu
 - Contrast vSphere with Tanzu to traditional Kubernetes
 - Describe the requirements for vSphere with Tanzu
 - Describe the NSX components required for vSphere with Tanzu
 - Describe the network topology of vSphere with Tanzu
 - Explain the networking requirements of vSphere with Tanzu
 - Compare NSX networking objects with Kubernetes networking objects
 - Describe the kubectl command line interface
- ## 4 vSphere with Tanzu Core Services
- Explain the architecture of the vSphere with Tanzu core services
 - Describe the use cases of vSphere with Tanzu
 - Enable vSphere with Tanzu
 - Deploy Harbor Registry
 - Describe a vSphere with Tanzu namespace
 - Describe resource quotas
 - Explain authentication and authorization to vSphere with Tanzu
 - Create a namespace

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- Use kubectl to interact with vSphere with Tanzu
- Describe using kubectl pod deployment
- Explain scaling a pod deployment
- Explain deleting pods
- Use kubectl to deploy a pod
- Use kubectl to scale a pod
- Describe a Container Storage Interface
- Explain VM Storage Policies and Persistent Volumes
- Monitor Cloud Native Storage
- Create a Persistent Volume
- Describe the NSX Container Plugin
- Explain Supervisor Cluster Network Topology
- Explain Container Objects in NSX
- Describe Kubernetes Services
- Describe Kubernetes Network Policies
- Describe vSphere with Tanzu on vSphere Distributed Switch
- Describe Harbor Image Registry
- Explain Harbor integration with vSphere with Tanzu
- Enable Harbor

- Push container images to Harbor

- Deploy containers from Harbor

5 VMware Tanzu Kubernetes Grid service

- Introduce Kubernetes Cluster API
- Explain Tanzu Kubernetes Grid service
- Describe the use cases for Tanzu Kubernetes Grid clusters
- Describe enabling Tanzu Kubernetes Clusters
- Deploy a Tanzu Kubernetes Cluster
- Scale a Tanzu Kubernetes Cluster
- Explain the life cycle of Tanzu Kubernetes Clusters
- Deploy pods to a Tanzu Kubernetes Cluster
- Describe monitoring of Tanzu Kubernetes Clusters

6 Monitoring and Troubleshooting

- Describe the monitoring tools for vSphere with Tanzu
- Describe the troubleshooting tools for vSphere with Tanzu
- Describe VMware vRealize® Operations Manager™ integration
- Describe VMware Tanzu Mission Control
- Describe the integration between vSphere with Tanzu and VMware Tanzu Mission Control

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- Describe vCenter Server events
- Describe vSphere with Tanzu events
- Describe gathering vSphere with Tanzu support log bundles

7 vSphere with Tanzu Life Cycle

- Introduce Kubernetes version
- Explain Kubernetes release cadence
- Describe vSphere with Tanzu life cycle
- Describe NSX component life cycle
- Describe vSphere with Tanzu Certificate Management

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