VMware vSphere: Advanced Administration [V8]

Course code: VMW_VSAAW

This five-day course provides hands-on training to equip students with a range of skills: from performing routine VMware vSphere® 8 administrative tasks to complex vSphere operations and configurations. Through lab-based activities, students are immersed in real-life situations faced by VMBeans, a fictitious company. These situations expose students to real-life scenarios faced by companies that are building and scaling their virtual infrastructure.This course uses scenario-based lab exercises and does not provide guided step-by-step instructions. To complete the scenario-based lab exercises, you are required to analyze the task, research, and deduce the required solution. References and suggested documentation are provided.Approximately 90% of the class is application-focused and taught through labs. The course aligns fully with the VMware Certified Advanced Professional – Data Center Virtualization Deploy exam objectives.

Affiliate	Duration	Course price	ITB
Praha	5	54 000 Kč	0
Brno	5	54 000 Kč	0
Bratislava	5	2 298 €	0

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
14.12.2026	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
25.01.2027	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
15.02.2027	5	54 000 Kč	Online	CZ/SK	TD SYNNEX Czech - Online
15.02.2027	5	54 000 Kč	Presence	CZ/SK	TD SYNNEX Czech
22.02.2027	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
15.03.2027	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
26.04.2027	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
17.05.2027	5	54 000 Kč	Presence	CZ/SK	TD SYNNEX Czech
17.05.2027	5	54 000 Kč	Online	CZ/SK	TD SYNNEX Czech - Online
17.05.2027	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
21.06.2027	5	54 000 Kč	Online	EN	TD SYNNEX Czech - Online
23.08.2027	5	54 000 Kč	Online	CZ/SK	TD SYNNEX Czech - Online
23.08.2027	5	54 000 Kč	Presence	CZ/SK	TD SYNNEX Czech
23.08.2027	5	54 000 Kč	Online	CZ/SK	TD SYNNEX Czech - Online

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Who is the course for

- System administrators
- System engineer

What we teach you

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

- Enable cluster features and configure vSphere storage and networking
- Use host profiles to automate host configurations
- Use Cluster Quickstart to create a VMware vSAN™ enabled cluster

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- Configure the VMware vCenter Server® identity provider
- Troubleshoot host connectivity and storage connectivity
- Perform lifecycle operations on vSphere components
- Implement security hardening guidelines to vSphere and virtual machines

Required skills

This course requires the following prerequisites:

- Completion of VMware vSphere: Optimize and Scale [V7] course
- VMware Certified Professional – Data Center Virtualization (VCP-DCV) certification
- System administration experience on Microsoft Windows or Linux operating systems

Course outline

1 Course Introduction

- Introductions and course logistics
- Course objectives
- Introduction to fictitious company: VMBeans

2 Creating and Configuring Management Clusters

- Enable cluster features that help to improve resource allocation and availability of virtual machines
- Use standard virtual switches to create networking in a cluster
- Recognize when to use VMware vSphere® vMotion®
- Recognize requirements for using iSCSI
- Identify the purpose of iSCSI multipathing
- Select the appropriate vSphere storage types to meet requirements
- Recognize when to configure ESXi NTP support
- Recognize ESXi user account best practices
- Configure ESXi host settings
- Use host profiles appropriately

3 Creating and Configuring Productions Clusters

- Use Cluster Quickstart to create a vSAN enabled cluster
- Configure advanced vSphere HA settings
- Recognize the benefits of Active Directory Federation Services (ADFS)
- Configure the vCenter Server identity provider
- Assign specific permissions and roles to ADFS users
- Recognize how Enhanced vMotion Compatibility benefits VM mobility
- Perform a Cross vCenter Server Migration
- Use content libraries to share virtual machine templates between sites

4 Troubleshooting vSphere and Backing Up Configurations

- Troubleshoot ESXi connectivity issues
- Troubleshoot iSCSI storage issues
- Troubleshoot vSphere cluster resources
- Troubleshoot VMware PowerCLI™ issues

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- Back up vCenter Server

5 Lifecycle Management

- Troubleshoot upgrade-blocking issues
- Increase logging levels on vCenter Server
- Configure a VMware Tools™ shared repository
- Upgrade vCenter Server
- Upgrade ESXi
- Upgrade VMware Tools
- Upgrade Virtual Machine Compatibility
- Work with VM placement rules

6 vSphere Security

- Manage advanced virtual machine configurations
- Configure a key management server
- Encrypt virtual machines using vSphere VM encryption
- Secure VMs in transit with encrypted vSphere vMotion
- Identify and implement different ESXi CPU scheduler options
- Apply security hardening guidelines to ESXi hosts
- Replace vCenter Server certificates with trusted CA-signed certificates
- Deploy a new vCenter Server instance
- Reconfigure the primary network identifier for vCenter Server

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