



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# VMware vSphere: Advanced Administration Workshop [V7]

<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
VMW_VSAAW7	5 Jours	€3,750.00

## Description

This five-day course provides hands-on training to equip students with a range of skills, from performing routine VMware vSphere® 7 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.

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.

## Objectifs

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

- • Configure and manage complex storage solutions in a vSphere environment (including NFS, iSCSI, and so on)
- • Configure and manage complex, scalable vSphere networking operations (vSphere Standard Switch and Distributed Switches)
- • Deploy, manage, and optimize virtual machines (advanced configuration, content library, latency-sensitive workloads, and more)
- • Manage business continuity and operations in your vSphere environment (VMware vCenter® Server Appliance™ file-based backup, VMware vCenter Server® profiles, host profiles, and so on)
- • Plan and implement increased vSphere security (use a Key Provider, VM Encryption, CPU scheduler remediations, and so on)
- • Troubleshoot the vSphere environment
- • Use VMware vSphere® Lifecycle Manager™ to upgrade to VMware ESXi™ hosts and virtual machines (VUM, image-based clusters, and so on)
- • Implement vSphere cluster solutions (Cluster QuickStart wizard, VMware vSphere® Distributed Resource Scheduler™, VMware vSphere® High Availability, VMware vSAN™, and so on)
- • Implement resource optimizations to streamline vSphere deployments
- • Create an advanced configuration of vCenter Server (including an identity source)

## Audience

- • System administrators
- • System engineer

## Prérequis

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

# Programme

## 1 Course Introduction

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

## 2 Configure and Manage Your vSphere Environment

- • Perform various vCenter Server configurations
- • Configure an external identity source
- • Configure virtual networking with advanced options
- • Configure and manage advanced storage configurations
- • Configure vSphere clusters (also using Cluster QuickStart)

## 3 Management and Operations in Your Data Center

- • Collect vSphere log files
- • Configure vCenter Server file-based backup
- • Working with vCenter Server profiles
- • Configure and manage advanced cluster settings
- • Create and configure advanced host options
- • Create and manage host profiles
- • Manage and remediate clusters using vSphere Lifecycle Manager
- • Create and configure a Content Library
- • Update a managed virtual machine template
- •

### Configure a central VMware Tools™ installation repository

- • Manage vSphere roles and permissions

## 4 Troubleshoot Your Data Center Environment

- • Troubleshoot vSphere configuration issues
- • Troubleshoot resource pool configuration issues
- • Troubleshoot network and storage issues
- • Troubleshoot ESXi host issues
- • Troubleshoot vCenter Server resource issues

## 5 Increasing Security in Your Data Center

- • Create and manage a Key Management solution
- • Create an encrypted virtual machine
- • Configure CPU scheduler options to achieve security remediations

## 6 Performance and Optimization in Your Data Center

- • Manage advanced virtual machine configurations
- • Identify and implement vSphere resource optimization opportunities

## Dates de session

Sur demande. [Merci de nous contacter](#)

## Informations Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)