

Course : VMware vSphere 7, implementing the new features

Practical course - 3d - 21h00 - Ref. VMX

Price : 2630 CHF E.T.

Discover what's new in VMware vSphere 7. Learn how to implement the new network features of distributed switches and the new high-availability architecture, as well as how to optimize storage and server deployment.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Upgrade a VMware vSphere 6.x infrastructure to VMware vSphere 7
- ✓ VMware vSphere 7 improvement points
- ✓ Updating templates in a content library
- ✓ Understanding DRS improvements with scalable shares
- ✓ Identify VM-related improvements

Intended audience

Administrators or managers responsible for the administration and management of a VMware vSphere 6.x or vSphere 7.x infrastructure who want to learn more about the new features of VMware vSphere 7.

Prerequisites

Basic knowledge of Windows or Linux administration. Experience in administering VMware vSphere solutions desirable.

Course schedule

1 vSphere 7 architecture

- New vSphere 7 architecture.
- VMware vSphere 7 licenses.
- New vCenter Server Appliance deployment model.
- Enhanced vCenter 7 appliance.

PARTICIPANTS

Administrators or managers responsible for the administration and management of a VMware vSphere 6.x or vSphere 7.x infrastructure who want to learn more about the new features of VMware vSphere 7.

PREREQUISITES

Basic knowledge of Windows or Linux administration. Experience in administering VMware vSphere solutions desirable.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

2 Migrating from vSphere 6.x to vSphere 7

- vSphere update process.
- Installation requirements for vSphere 7 components.
- Migration to vCenter 7 appliance.
- ESXi servers updated to version 7.
- Update virtual machines.

Hands-on work

Upgrade a VMware vSphere 6.x infrastructure to VMware vSphere 7.

3 Administration improvements

- Creating and using vCenter Server profiles.
- Dynamic DNS support.
- Rename and change vCenter IP address.
- File-level backup of vCenter.
- Certificate management via the vSphere Client.
- vSphere Client Developer Center tools.

4 Resources and safety

- Resources managed by ESXi 7.
- Hardware support for ESXi 7.
- Enhanced ESXi 7 security.
- VM encryption architecture in vSphere 7.
- New features for cloning and migrating encrypted VMs.
- Using vSphere Cluster Quickstart.
- vSphere DRS enhancements.
- Description of scalable shares.

Hands-on work

Manage certificates with the vSphere Client.

5 Virtual machine enhancement

- What's new in virtual hardware?
- New virtual devices in vSphere 7.
- Improved guest OS customization.
- Migration of VMs with attached devices.

6 Storage enhancements

- Enhancements to VMware Pluggable Storage Architecture (PSA).
- New plug-in for NVMe (HPP) storage support.
- What's new in content libraries.

Hands-on work

Updating a content library in-place template.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

7 vSphere Lifecycle Manager

- vCenter Server Update Planner features.
- Description of vCenter Lifecycle Manager.
- Comparison between vCenter Lifecycle Manager and vSphere Update Manager.
- ESXi image components.
- Definition of a cluster image.
- ESXi updates via vSphere Lifecycle Manager.

Hands-on work

Use vSphere Lifecycle Manager to manage vSphere deployments and updates.