Course : VMware vSphere 9: Monitoring and Operations

Practical course - 3d - 21h00 - Ref. VFA
Price : 2680 € E.T.

NEW

This course will provide you with everything you need to use VMware vSphere 9 effectively. You'll learn hands-on how to manage and back up virtual machines (VMs) on a daily basis, how to monitor resource usage, and how to update the infrastructure.

Teaching objectives

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

- Create, Configure, and Manage Virtual Machines in vSphere 9
- Manage Virtual Infrastructure Updates with Lifecycle Manager
- Monitor and manage the virtual platform's resources
- Manage Software Replication for Virtual Machines

Intended audience

Administrators and operators responsible for managing ESXi, ESX, and vCenter Server who wish to deepen their skills in the day-to-day management of virtual machines

Prerequisites

Strong knowledge of Windows and/or Linux administration.

Course schedule

1 Overview of VMware vSphere 9

- vSphere 9 Architecture.
- vSphere 9 Components.
- License Management.
- vSphere Inventory Management.
- Network running on vSphere 9.
- Storage Management (vStorage): The Various Storage Protocols.
- Storage: Datastore Management.

PARTICIPANTS

Administrators and operators responsible for managing ESXi, ESX, and vCenter Server who wish to deepen their skills in the day-to-day management of virtual machines

PREREQUISITES

Strong knowledge of Windows and/or Linux administration.

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 Creating, Deploying, and Managing Virtual Machines (VMs)

- Components of a VM. License management and vSphere inventory.
- Creating and managing templates.
- Creating a New VM and Cloning It.
- Snapshots of virtual machines.
- Cold migration of a VM.
- Virtual Hardware Management: Thin Provisioning, Thick Provisioning.
- vApp, VMware vMotion, VMware Storage vMotion, and Enhanced vMotion Compatibility (EVC).

Hands-on work

Create, configure, and manage virtual machines in vSphere.

3 Monitoring and Use of Resources

- VM Resource Management (Shares, Limits, Reservations).
- Resource pools.
- Technologies for optimizing processor and memory usage.
- Performance monitoring and infrastructure monitoring using alerts.

Hands-on work

Monitor and manage the virtual platform's resources.

4 VMware Clusters

- Using a Distributed Resource Scheduler (DRS) Cluster.
- Managing a VMware High Availability (HA) cluster.

5 Replication of Virtual Machines

- Replicating VMs with vSphere Replication.
- VM Recovery (scheduled or disaster recovery).

Hands-on work

Manage software replication of virtual machines.

6 Virtual Infrastructure Update

- Virtual Infrastructure Update.
- Managing Host Updates with VMware Lifecycle Manager.

Hands-on work

Manage updates to the virtual infrastructure with Lifecycle Manager.

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.

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Dates and locations

REMOTE CLASS
2027 : 8 Mar., 9 June, 22 Sep., 8 Dec.

PARIS LA DÉFENSE
2027 : 8 Mar., 9 June, 22 Sep., 8 Dec.