

Course : VMware vSphere 8, troubleshooting

Practical course - 5d - 35h00 - Ref. V8D

Price : 3960 CHF E.T.



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This course will introduce you to the tools and techniques needed to diagnose and resolve problems that may arise in a VMware infrastructure. You'll learn how to troubleshoot an ESX/ESXi server, identify and correct problems related to VMotion, HA and DRS.

Teaching objectives

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

- ✓ Acquire a troubleshooting methodology to diagnose and resolve problems on a VMware vSphere 8 Server
- ✓ Use the vSphere Web Client and vSphere Management Assistant to troubleshoot an ESX/ESXi server
- ✓ Configure advanced network options and diagnose network problems
- ✓ Identify and correct problems with VMware VMotion, HA, DRS and Virtual Machine startup
- ✓ Centralize and analyze VMware infrastructure logs

Intended audience

Administrators and system architects with experience of the VMware vSphere software suite who want to acquire advanced knowledge.

Prerequisites

Good knowledge of VMware vSphere administration.

Course schedule

1 Problem-solving methodology

- Approach to troubleshooting methodology.
- Use the "Technical Support" mode to identify and resolve problems on ESXi.
- Available tools.

PARTICIPANTS

Administrators and system architects with experience of the VMware vSphere software suite who want to acquire advanced knowledge.

PREREQUISITES

Good knowledge of VMware vSphere 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 Tools: vSphere Management Assistant

- Overview and deployment of vSphere Management Assistant (vMA).
- vMA configuration and administration.
- Commands that can be used with vMA.

Hands-on work

Use the vSphere Client and vSphere Management Assistant to configure, diagnose and troubleshoot an ESX/ESXi server.

3 Log file management

- vCenter, ESX and ESXi log files.
- vCenter, ESX and ESXi log management (syslog and vlogger).
- Centralized log management with vMA.
- Generation of a log bundle for VMware support.

Hands-on work

Identify and manage logs.

4 Network troubleshooting

- Troubleshooting the ESXi administration network.
- Troubleshooting problems on standard switches and DVS (Distributed Virtual Switches).
- VM network connectivity problems.

Hands-on work

Configure advanced network options and diagnose network problems.

5 Storage troubleshooting

- Troubleshooting LUN connectivity.
- Troubleshooting Multipathing problems.

Hands-on work

Storage diagnostics and troubleshooting.

6 Cluster troubleshooting

- Troubleshooting DRS and HA cluster problems.
- Troubleshooting VMotion.

Hands-on work

Identify and correct problems with VMware VMotion, HA and DRS.

7 Troubleshooting vCenter and ESXi

- Common problems with vCenter Server, Single Sign On.
- Common ESXi problems.
- Set up SSL certificates on vCenter and ESXi servers.

Hands-on work

Identify and solve problems on ESXi. Implement SSH certificates in vSphere.

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.

8 Troubleshooting virtual machines

- Problems with virtual machine status.
- Troubleshooting VMware Tools installation problems.
- Troubleshooting snapshot problems.
- Troubleshooting VM startup problems.

Hands-on work

Identify and correct virtual machine startup problems.

Dates and locations

REMOTE CLASS

2026 : 29 June, 12 Oct., 14 Dec.