

Course : VMware vSphere: Advanced Administration V8 (VSAA8)

Official course, exam preparation 2V0-21.23

Practical course - 5d - 35h00 - Ref. VS1

Price : 5050 € E.T.

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With this training, you'll be equipped with a range of skills, from performing routine VMware vSphere 8 administration tasks to complex vSphere operations and configurations. Through laboratory activities, participants are placed in real-life situations from a fictitious company, VMBeans. These situations expose students to real-world scenarios faced by companies building and evolving their virtual infrastructure.

Teaching objectives

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

- ✓ Configuring VMware vCenter® and VMware ESXi
- ✓ Configuring and managing a vSphere cluster solution for vSphere HA, vSphere DRS and vSAN
- ✓ Configuring vSphere storage and networking
- ✓ Perform lifecycle operations on vSphere components
- ✓ Solve vSphere infrastructure and connectivity problems
- ✓ Backing up vCenter configurations
- ✓ Implement vSphere infrastructure security solutions

Intended audience

System administrators and system engineers.

Prerequisites

Completion of one of the following training courses: MWA or EMW. Working knowledge of VMware vSAN. Experience of system administration on Microsoft Windows or Linux operating systems.

PARTICIPANTS

System administrators and system engineers.

PREREQUISITES

Completion of one of the following training courses: MWA or EMW. Working knowledge of VMware vSAN. Experience of system administration on Microsoft Windows or Linux operating systems.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Certification

Successful completion of the 2V0-21.23 exam leads to VMware Certified Advanced Professional - Data Center Virtualization Deploy 2024 (VCAP-DCV Deploy 2024) certification.

[Comment passer votre examen ?](#)

Practical details

Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

Course schedule

1 Creating and configuring management clusters

- Create a vSphere cluster for management workloads.
- Enable vSphere cluster features to improve VM resources and availability.
- Use standard virtual switches to create a cluster network.
- Select the appropriate vSphere storage types to meet your requirements.
- Configure iSCSI storage.
- Configure VMFS and NFS databases.
- Recognize when to configure ESXi NTP and PTP support.
- Recognize ESXi user account best practices.
- Configure ESXi host parameters.
- Use vSphere configuration profiles to maintain consistent ESXi host configurations.

2 Creating and configuring production clusters

- Use the cluster quick start guide to create a vSAN-enabled cluster.
- Configure advanced vSphere HA settings.
- Configurer le fournisseur d'identité vCenter.
- Assign specific roles and authorizations to ADFS (Active Directory Federation Services) users.
- Configure enhanced vMotion compatibility on a cluster and a virtual machine.
- Migrate between vCenter Servers.
- Use content libraries to share virtual machine models between sites.
- Manage VM and ESXi host resources using resource pools, shares and vSphere DRS rules.

3 vSphere troubleshooting and configuration backup

- Solve ESXi connectivity problems.
- Solve ESXi storage problems.
- Solve vSphere cluster problems.
- Solve PowerCLI-related problems.
- Generate vCenter and ESXi log bundles.
- Save vCenter.
- Create a vCenter profile to standardize configurations in the environment.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

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

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

4 Lifecycle management

- Solve upgrade blocking problems.
- Increase logging levels on vCenter.
- Set up a VMware Tools shared repository.
- vCenter upgrade.
- ESXi upgrade.
- Upgrade VMware tools.
- Upgrade hardware compatibility of virtual machines.

5 vSphere Security

- Configure a key management server.
- Encrypt virtual machines using vSphere virtual machine encryption.
- Secure VMs in transit with encrypted vSphere vMotion.
- Identify and implement different ESXi CPU scheduler options.
- Apply security enhancement instructions to ESXi hosts.
- Replace vCenter certificates with trusted certificates signed by a certification authority.
- Reconfigure the primary network identifier of a vCenter instance.

Dates and locations

REMOTE CLASS

2026: 9 Mar., 18 May, 12 Oct., 16 Nov.

PARIS LA DÉFENSE

2026: 9 Mar., 18 May, 12 Oct., 16 Nov.