ITTcert
BY ORSYS

Course : VMware vSphere: Advanced Administration V8 (VSAA8)

Official course, exam preparation 2V0-21.23

Practical course - 5d - 35h00 - Ref. VS1
Price : 5050 € E.T.

★★★★★ **5 / 5**

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.

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.

(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 : 18 May, 12 Oct., 16 Nov.

PARIS LA DÉFENSE
2026 : 18 May, 12 Oct., 16 Nov.