Course : VMware vSphere: What's New in Version 8 (EDU-VSWN8)

Official VMware Course

Practical course - 2d - 14h00 - Ref. MV8
Price : 1950 € E.T.

NEW

In this course, you will learn about the new features and enhancements in VMware vCenter Server 8.0 and VMware ESXi 8.0. Through demonstrations, hands-on exercises, and lab work, you will learn how to effectively deploy and configure a VMware vSphere 8.0 environment.

Teaching objectives

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

- Understanding the Key New Features and Improvements in VMware vSphere 8.0
- Learn about the latest developments in vCenter Server, ESXi, storage, and virtual machines
- Use vSphere Lifecycle Manager to manage and update ESXi hosts
- Identify new features related to performance, security, and resource management
- Learn about the new features, deprecated technologies, and new services in VMware vSphere 8.0

Intended audience

System administrators, infrastructure architects, and IT professionals who want to learn about the new features in VMware vSphere 8.

Prerequisites

Must have completed a VMware vSphere training course (Install, Configure, Manage—ref. AMW) or equivalent, or have proven experience in administering VMware ESXi and vCenter Server. Knowledge of the command line is recommended. Good written English skills.

Course schedule

PARTICIPANTS

System administrators, infrastructure architects, and IT professionals who want to learn about the new features in VMware vSphere 8.

PREREQUISITES

Must have completed a VMware vSphere training course (Install, Configure, Manage—ref. AMW) or equivalent, or have proven experience in administering VMware ESXi and vCenter Server. Knowledge of the command line is recommended. Good written English skills.

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.

1 Artificial Intelligence and Machine Learning

- Understanding the Role of AI and Machine Learning in vSphere 8.
- Explore device groups and virtualization extensions designed for AI.

2 Learn About vSphere Distributed Services Engine

- Describe the benefits of the distributed services engine.
- Explain how the distributed services engine works.
- Identify use cases for the distributed services engine.
- Install ESXi on a host equipped with a DPU.
- View DPU information in vSphere Client.
- Add an ESXi host equipped with a DPU to a cluster.
- Update an ESXi host equipped with a DPU using vSphere Lifecycle Manager.
- Create a vSphere distributed switch for network offloads.
- Add a host with a DPU to the vSphere Distributed Switch.
- Configure a virtual machine to use Uniform Passthrough mode.

3 vSphere and vCenter Management

- Improvements to communication between vCenter and ESXi hosts.
- Improvements to the vCenter recovery process.

4 Improvements to ESXi

- Describe the function of the central configuration store in ESXi.
- Explain how ConfigStore affects your interaction with ESXi configuration files.
- Identify the supported system storage partition configuration on ESXi 8.0.
- Identify supported devices for system storage on ESXi 8.0
- Configure a Local RDMA Host Device on ESXi

5 vSphere Storage

- Describe the vSAN Express storage architecture.
- Understand the benefits of the vSAN Express storage architecture.
- Describe the benefits of using NVMe.
- Identifying NVMe Device Support in vSphere

6 SE Guests and Workloads

- Review the improvements made in the latest versions of the virtual hardware.
- Describe the features introduced with Virtual Hardware Version 20.
- Create a snapshot of a virtual machine with an NVDIMM device.

7 Resource Management

- View energy and carbon emissions metrics in vRealize Operations Manager.
- Describe the VMware vSphere Memory Monitoring and Correction (vMMR) feature.
- Describe how vMMR improves the performance of vSphere DRS.

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.

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.

8 Security and Compliance

- Describe how to manage vTPM secrets when cloning a VM.
- Manage OVF templates for VMs configured with vTPM.
- Deploy an OVF template with vTPM.
- Describe the improvements made to the trusted binary application in ESXi.
- Describe the enhanced security features in ESXi 8.

9 vSphere Lifecycle Manager

- Describe the improvements made to the lifecycle management of standalone ESXi hosts.
- Manage ESXi host configuration profiles in a cluster using vSphere Lifecycle Manager.
- Use Auto Deploy to start a host with the desired image and configuration specifications.
- Upgrading multiple ESXi hosts in a cluster simultaneously.
- Screenshot of an ESXi host image before the fix.

10 Automatic deployment

- Manage custom host certificates using automatic deployment.

11 vSphere with Tanzu

- Describe the features of Tanzu Kubernetes Grid 2.0.

12 vSphere+ Announcement

- Describe the features and benefits of vSphere+

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Dates and locations

REMOTE CLASS
2026 : 3 Dec.

2027 : 11 Mar., 17 June, 6 Sep., 29 Nov.

PARIS LA DÉFENSE
2027 : 4 Mar., 10 June, 30 Aug., 22 Nov.