

# **Enterprise Computing Solutions - Education Services**

# **TRAINING OFFERING**

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# VMware vSphere: What's New [V8]

CODE: LENGTH: PRICE:

VMW VSWN8 16 Hours (2 days) €1,650.00

## **Description**

In this two-day course, you explore the new features and enhancements following VMware vCenter Server 8.0 and VMware ESXi 8.0. Real-world use-case scenarios, hands-on lab exercises, and lectures teach you the skills that you need to effectively implement and configure VMware vSphere 8.0.

## **Objectives**

By the end of the course, you should be able to meet the following objectives:

- Recognize the importance of key features and enhancements in vSphere 8.0
- Describe vCenter Server, VMware ESXi, storage, virtual machine, and security enhancements in vSphere 8.0
- Describe the purpose of vSphere Distributed Services Engine
- Update an ESXi host equipped with a Data Processing Unit (DPU) using vSphere Lifecycle Manager
- Identify devices supported for system storage on ESXi 8.0
- · Recognize enhancements to VM hardware compatibility settings
- VMware vSphere Memory Monitoring and Remediation and the improvements to vSphere DRS
- Recognize the new Virtual Non-Uniform Memory Access (vNUMA) topology settings of a VM in vSphere Client
- Use vSphere Lifecycle Manager and Auto Deploy to manage the configuration specifications for the hosts in a cluster
- Recognize the vSphere Lifecycle Manager and Auto Deploy enhancements in vSphere 8.0
- Recognize the cloud benefits that VMware vSphere+ brings to on-premises workloads
- Recognize technology that is discontinued or deprecated in vSphere 8.0

### **Programme**

- 1 Course Introduction
- · Introductions and course logistics
- Course objectives
- 2 Artificial Intelligence and Machine Learning
- Describe how device groups support AI and ML in vSphere 8
- Describe how device virtualization extensions support AI and ML in vSphere 8
- 3 vSphere Distributed Services Engine
- Describe the benefits of Distributed Services Engine
- Explain how Distributed Services Engine works
- Recognize use cases for 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 VM to use Uniform Passthrough Mode
- 4 vSphere and vCenter Management
- Review the improvements to the communication between vCenter and ESXi hosts
- Review the enhancements to the vCenter recovery process
- 5 ESXi Enhancements
- Describe the function of the central configuration store in ESXi
- Explain how ConfigStore affects your interaction with ESXi configuration files
- Recognize the supported system storage partition configuration on ESXi 8.0
- Identify devices supported for system storage on ESXi 8.0
- · Configure an RDMA host local device on ESXi
- 6 vSphere Storage

- Describe the vSAN Express Storage Architecture
- · Recognize the benefits of using vSAN Express Storage Architecture
- · Describe the benefits of using NVMe
- Recognize the support for NVMe devices in vSphere

7 Guest OS and Workloads

- Review the enhancements of the latest virtual hardware versions
- Describe the features introduced with virtual hardware version 20
- Create a snapshot of a VM with an NVDIMM device

8 Resource Management

- View energy and carbon emission metrics in vRealize Operations Manager
- Describe the VMware vSphere Memory Monitoring and Remediation (vMMR) functionality
- Describe how vMMR enhances the performance of vSphere DRS
- 9 Security and Compliance
- Describe how to handle vTPM secrets when cloning a VM
- Manage OVF templates for VMs that are configured with vTPM
- Deploy an OVF template with vTPM
- Describe the enhancements to trusted binary enforcement in ESXi
- Describe ESXi 8 enhanced security features

10 vSphere Lifecycle Manager

- Describe the enhancements to life cycle management of standalone ESXi hosts
- · Manage the configuration profiles of ESXi hosts in a cluster with vSphere Lifecycle Manager
- · Use Auto Deploy to boot a host with the desired image and configuration specifications
- Upgrade multiple ESXi hosts in a cluster in parallel
- Stage an ESXi host image prior to remediation
- 11 Auto Deploy
- · Manage custom host certificates using Auto Deploy
- 12 vSphere with Tanzu
- Describe the features of the Tanzu Kubernetes Grid 2.0 offering
- 13 Announcing vSphere+
- · Describe the functionality and benefits of vSphere+

#### **Further Information**

**Product Alignment** 

- VMware ESXi 8.0
- VMware vCenter Server 8.0

#### **Session Dates**

Date	Location	Time Zone	Language	Туре	Guaranteed	PRICE
23 Mar 2026	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,650.00
22 Jun 2026	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,650.00
21 Sep 2026	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€1,650.00
14 Dec 2026	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€1,650.00

#### **Additional Information**

This training is also available as onsite training. Please contact us to find out more.