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Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware vSphere: What's New [V8]

CODE:	LÄNGE:	PREIS:
VMW_VSWN8	16 Hours (2 Tage)	€1,495.00

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.

Lernziel

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

Zielgruppe

System architects, system administrators, IT managers, VMware partners, and individuals responsible for implementing and managing vSphere architectures who want to deploy vSphere 8.0 into their existing vSphere environment.

Voraussetzungen

This course requires completion of one of the following courses, or equivalent knowledge, plus administration experience with ESXi and vCenter Server:

- • VMware vSphere: Install, Configure, Manage
- • VMware vSphere: Optimize and Scale
- • VMware vSphere: Fast Track
- • VMware vSphere: Troubleshooting
- • Experience with working at the command line is helpful.

Inhalt

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   12 vSphere with Tanzu
• Manage custom host certificates using Auto Deploy • Describe the features of the Tanzu Kubernetes Grid 2.0 offering
13 Announcing vSphere+
• Describe the functionality and benefits of vSphere+

Weitere Informationen

Product Alignment
• VMware ESXi 8.0
• VMware vCenter Server 8.0

Kurstermine

Datum	Lokation	Time Zone	Sprache	Type	Durchführungsgarantie	PREIS
06 May 2024	Frankfurt	CEDT	German	Classroom		€1,495.00
22 May 2024	Virtual Classroom	EEST	German	Instructor Led Online		€1,495.00
17 Jun 2024	Virtual Classroom	EEST	German	Instructor Led Online		€1,495.00
24 Jun 2024	Berlin	CEDT	German	Classroom		€1,495.00
03 Jul 2024	Frankfurt	CEDT	German	Classroom		€1,495.00
26 Aug 2024	Virtual Classroom	EEST	German	Instructor Led Online		€1,495.00
09 Dec 2024	München	CET	German	Classroom		€1,495.00
06 May 2024	Virtual Classroom	CEDT	German	Instructor Led Online		€1,495.00
09 Dec 2024	Virtual Classroom	CET	German	Instructor Led Online		€1,495.00
09 Sep 2024	Frankfurt	CEDT	German	Classroom		€1,495.00
21 Oct 2024	Virtual Classroom	EEST	German	Instructor Led Online		€1,495.00
13 Nov 2024	Frankfurt	CET	German	Classroom		€1,495.00
02 Dec 2024	Berlin	CET	German	Classroom		€1,495.00

Zusätzliche Information

Diese Schulung ist auch als Vor-Ort-Schulung verfügbar. Bitte kontaktieren Sie uns, um mehr zu erfahren.