>> VMware vSphere Foundation

Build, Manage and Operate V9.x

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VMware vSphere ist eine Virtualisierungs-Plattform für den Bereich Cloud-Infrastruktur, Rechenzentrums- und Servervirtualisierung. VMware vSphere besteht aus einer Sammlung von Software-Produkten deren Hypervisor vSphere ist, der virtuelle Maschinen für x64-basierte Hardware und deren Betriebssysteme bereitstellt.

Ihr Nutzen

Dieser fünftägige Kurs vermittelt Ihnen das Wissen, die Fähigkeiten und Fertigkeiten, die Sie benötigen, um VMware vSphere Foundation kompetent bereitzustellen, zu konfigurieren und zu verwalten. Sie lernen die Architektur von vSphere Foundation, Rechenleistung, Speicher, Netzwerke und Lizenzierung kennen.

Voraussetzungen

Erfahrung und Kenntnisse in den Bereichen VMware vSphere und vSAN-Um

Preis pro Teilnehmer

EUR 3350,- exklusive der gesetzlichen MwSt.

Seminardauer

5 Tag(e)/Day(s)

Hinweise

Das Training wird zur Vorbereitung auf die Zertifizierung Vmware Certified I empfohlen.

Zusätzlich zu der Kursgebühr, werden 285,- für die Prüfung verrechnet.

Version: 9

Seminarinhalte

Tag 1:
* Course Introduction
- Introduction and course logistics.
- Course objectives.

* vSphere Foundation Overview
- Define the vSphere Foundation key features.
- Explain vSphere Foundation use cases.
- Explain the architecture of vSphere Foundation.

* vSphere Foundation Deployment
- Prepare the infrastructure for VMware vSphere Foundation.
- Identify the information required for the Planning and Preparation Workbook
- Explain the high-level steps to deploy vSphere Foundation.
- Describe the procedure for downloading the software using online and offline modes.
- Describe the vSphere Foundation workflow using the Quick Installer UI and JSON spec file.
- List the steps to navigate the VCF Operations UI.
- Deploy and enable VCF Operations collector, VCF Operations for Logs, and VCF Operations Orchestrator
- Deploy and configure vCenter Server Appliance.

* License Management
- Describe the process for managing and assigning licenses.
- Enable VCF Operations integration for vCenter.
- Explain license usage by product.

Tag 2:
* vSphere Foundation Compute
- Explain basic virtualization concepts.
- Describe how vSphere fits in the software-defined data center.
- Describe vSphere architecture and use cases.
- Recognize the user interfaces for accessing vSphere.
- Install and configure ESXi host.
- Create and organize vCenter inventory objects

* vSphere Foundation Networking
- Create and configure standard switch.
- Create and configure distributed switch.
- Differentiate between standard and distributed switches.
- Explain how to set networking policies.

* vSphere Foundation Storage
- Recognize vSphere storage technologies.
- Identify the types of vSphere datastores.
- Describe Fibre Channel components and addressing.
- Describe iSCSI components and addressing.
- Configure iSCSI storage on ESXi.
- Create and manage VMFS datastores.
- Configure and manage NFS datastores.

* Deploying Virtual Machines
- Create and provision VMs.
- Explain the importance of VMware Tools.
- Manage a virtual machine from the vSphere client.
- Manage virtual machine resources.
- List the steps to deploy virtual machines.
- Clone VMs and create customization specifications for guest operating sys
- Create local, published, and subscribed content libraries.

Tag 3:
* Virtual Machine Management
- Migrate VMs using vSphere vMotion and Storage vMotion.
- Perform snapshots operations.
- Specify CPU and memory shares, reservations, and limits.

* vSphere Clusters
- Create a vSphere cluster enabled for vSphere DRS and vSphere HA.
- Explain how vSphere DRS determines VM placement on hosts in the cluste
- Recognize use cases for vSphere DRS settings.
- Describe how vSphere HA responds to various types of failures.
- Identify options for configuring network redundancy in a vSphere HA clust
- Recognize vSphere HA design considerations.
- Recognize the use cases for various vSphere HA settings.
- Configure a vSphere HA cluster.

Tag 4:
* vSAN Management
- Identify the features of vSAN.
- Understand the key differences between vSAN OSA and vSAN ESA.
- Explain the role of the performance leg and the capacity leg in vSAN ESA.
- Examine vSAN ESA Object health states.
- Compare how RAID-0/1/5/6 space consumption.
- Identify vSAN component states.

d use cases.
- Explain vSphere Supervisor Deployment Options.

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