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VMware Cloud Director: Install, Configure, Manage [V10.3]

CODE: LÄNGE: PREIS:

VMW VCDICM101 40 Hours (5 Tage) €3,440.00

Description

In this five-day course, you focus on installing, configuring, and managing VMware Cloud Director® 10.3. You learn about workload provisioning, the creation of organizations, virtual data centers (VDCs), catalog services that include predefined virtual machines, and on-demand VMware NSX-T™ Data Center networks.

This course also covers interfacing VMware Cloud Director with other systems and the integration and use of VMware vRealize® Orchestrator™ for VMware Cloud Director. You learn about different networks that a system administrator and an organization administrator can configure and use with virtual machines (VMs). This course also discusses how to monitor various VMware Cloud Director objects using VMware vRealize® Operations™.

Lernziel

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

Deploy VMware Cloud Director

Manage VMware Cloud Director to meet the service provider needs

Create and manage VMware Cloud Director organizations and vApps to fulfill business needs

Create and manage VMware Cloud Director catalogs

Transfer virtual machine workloads from VMware vSphere® into and out of VMware Cloud Director

Configure networking for organizations and vApps with the help of VMware NSX-T™ Data Center

Managing resources from the VMWare Cloud Director console and using VMware vRealize® Operations Manager™

Enabling VM and Named Disk Encryption

Creating VM sizing and placement policies

Understand vApps and VM operations and actions

Zielgruppe

cloud architects systems engineers data center administrators

and cloud administrators with experience in managed services or managing a service provider environment

Voraussetzungen

Besuch des Seminars VSICM vSphere: Install, Configure, Manage oder gleichwertige Kenntnisse

Inhalt

Course Introduction
Introductions and course logistics
Course objectives

Software-Defined Data Center and VMware Validated Design Define software-defined data center (SDDC)

Discuss VMware offerings for cloud-based services

Discuss the deployment options for VMware Cloud Director

Discuss VMware Validated Design™

Recognize the design considerations when creating a cloud environment on the SDDC using VMWare Cloud Foundation™

VMware Cloud Director Deployment and Configuration

Discuss the deployment options for VMware Cloud Director

Explain the two-stage deployment of VMware Cloud Director cells

Discuss failover mechanisms (automatic and manual) with VMware Cloud Director cells

Define switchover, promote, and fencing options of the VMware Cloud Director appliance

Understand the VMware Cloud Director appliance enhancements

VMware Cloud Director Provider Configuration

Describe how the compute resources are provided to VMware Cloud Director

Describe how storage is provided to VMware Cloud Director

Configure and manage storage for Virtual Datacenters (VDCs)

Briefly discuss network pools, external networks, and Tier-0 Gateways

Showcase VMware Cloud Director integration with vCenter Server® and NSX-T Data Center

Describe VMware Cloud Director organizations

Understand organization policies

Explain how to access an organization using various portals

Understand organization VDC

Discuss what is Linked Clone and Fast Provisioning

Understand the use cases of Allocation Models

VMware Cloud Director User, Roles and Quota Management

Discuss user-bundle

Describe role-based access

Explain custom roles and rights

Describe and configure LDAP integration with Active Directory

Discuss OIDC authentication methods

Describe SAML identity provider

VMware Cloud Director Virtual Machines and vApps

Understand standalone VMs

Discuss the VM managing operations

Explain VM properties

Discuss deployment methods of vApps

Discuss the vApp managing operations

Discuss the vApp lease policies

Understand the vApps and VM actions

Explain vApp and VM badges

VMware Cloud Director Content Libraries

Explain the purpose of catalogs and how to create a catalog organization

Define catalog management and sharing catalogs inside and between organizations

Explain medias in VMware Cloud Director and its usage

Discuss vApp templates

Understand vApp template operations

Describe the purpose and usage of Open Virtualization Format (OVF)

Discuss organization VDC templates

VMware Cloud Director Networking

Discuss organization VDC networks

List the types of organization VDC networks

Describe the edge gateway services

Explore the services offered by the edge gateway

Discuss sub-allocation IP pool and its use cases

Discuss DHCP, NAT, load balancer, and firewall services on the edge gateway

Discuss SNAT, DNAT, NO SNAT, and NO DNAT use cases

Discuss vApp networks

List the various types of vApp networks

Discuss routed, isolated, and direct vApp networks

VMware Cloud Director Storage and Compute

Describe named disks and shared named disks

Demonstrate how to attach and detach a named disk and a shared named disk

Describe methods of sharing the named disk

Discuss the implications of deleting VMs that have an attached named disk

Discuss how VMware Cloud Director VMs and disks are encrypted

Explain the storage policy capabilities

Demonstrate how VM sizing and placement policies are published

Discuss vCenter server and VMware Cloud Director IOPS storage policies usage

Discuss how to enable and use the storage IOPS limitation in VMware Cloud Director

Describe the storage policy supported entities

Extensibility and UI Additional Features

Explain custom advisories, global search, guided tours, data exporter, keyboard shortcuts, and quick search Understand vcd-cli supported commands

Discuss various vcd-cli tools

VMware Cloud Director Resource Monitoring

Identify log locations for VMware Cloud Director

Manage vSphere and cloud resources from VMware Cloud Director

Understand monitoring of objects from VMware Cloud Director portals

Briefly introduce vRealize Operations Manager

Integrate VMware Cloud Director with vRealize Operations Manager

Configure VMware Cloud Director Management Pack

Understand dashboard, metrics, alerts, alert definition, and reports

Kurstermine

Auf Anfrage. Bitte kontaktieren Sie uns

Zusätzliche Information

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