Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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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

                        Introductions and course logistics
Course Introduction   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

Discuss user-bundle
Describe role-based access
Explain custom roles and rights
Describe and configure LDAP integration with Active Directory
Discuss OIDC authentication methods

VMware Cloud Director User, Roles and Quota Management
Describe SAML identity provider
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

VMware Cloud Director Virtual Machines and vApps
Explain vApp and VM badges
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)

VMware Cloud Director Content Libraries
Discuss organization VDC templates
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

VMware Cloud Director Networking
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

	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
VMware Cloud Director Resource Monitoring	Understand dashboard, metrics, alerts, alert definition, and reports

Weitere Informationen

- Dieses Training wird direkt vom/beim Hersteller durchgeführt.
- Dieser Kurs ist nicht rabatt- und prämienprogrammfähig !

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.