Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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

Kod:	Czas trwania:	Cena netto:
VMW_VCDICM103	40 Hours (5 days)	zł9,300.00

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.

This course is also available in an On Demand format.

Cel szkolenia

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

Uczestnicy

Cloud architects, systems engineers, datacenter administrators, and cloud administrators with experience in managed services or managing a service provider environment.

Wymagania wstępne

Completion of the following courses and equivalent knowledge is required:
•-VMware vSphere: Install, Configure, Manage [V7.x] or equivalent knowledge

The following experience is helpful:
-Working at the Linux command line
-Substantial knowledge of general networking concepts

Program szkolenia

1 Course Introduction
•Introductions and course logistics
•Course objectives

2 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

3 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

4 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

5 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

6 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

7 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

8 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

9 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

10 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

11 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

Terminy

Na żądanie. Prosimy o kontakt

Dodatkowe informacje

Jeśli interesują Cię inne szkolenia tego producenta - skontaktuj się z nami.