WUNN

Enterprise Computing Solutions - Education Services

TRAINING OFFERING

Du kan nå os her

•

Email: training.ecs.dk@arrow.com Phone: +45 7025 4500

WMWare VMware vCloud Director: Install, Configure, Manage by Broadcom [V9.x]

CODE:	LENGTH:	PRICE:

VMW_VCICM9 40 Hours (5 dage) kr 25,662.00

Description

In this five-day course, you will focus on installing, configuring, and managing VMware vCloud Director® 9.x for service providers. You will learn about self-service provisioning, the creation of organizations, virtual data centers (VDCs), and catalog services that include predefined virtual machines, and on-demand VMware NSX® networks, as well as the integrated use of VMware vSAN[™]. This course also covers interfacing vCloud Director with other systems through the use of various APIs and the integration and use of VMware vCloud® Availability for vCloud Director® and VMware vCloud® Director Extender[™]. Product Alignment

- vCloud Director 9.x
- vCloud Availability for vCloud Director 2.0
- vCloud Director Extender 1.0
- vSphere 6.x and later
- NSX 6.x and later

Objectives

Introductions and course logistics Course Introduction Course objectives Software-Defined Data Center Describe the evolution of the software-defined data center Cloud computing overview Characteristics of cloud services Categories of cloud computing Describe the VMware product stack for the software-defined data center vCloud Director Concepts Explain vCloud Director concepts Configure and manage provider VDCs Identify storage, compute, and network resources for vCloud Director Create and manage organizations vCloud Director organization VDCs **Organization VDC** Organization VDC allocation models Recognize resource allocations for an organization Describe the network types available in vCloud Director (external, organization, vApp) Discuss the organization and vApp network traffic choices Examine the function of network pools Virtual Machines and vApps Discuss the use of virtual machines Create and manage catalogs Design and manage vApps Catalog Manage vApp templates Users and Role-Based Access Describe role-based access Create custom security roles Describe and configure LDAP integration with Active Directory Describe single sign-on Enable a SAML identity provider Describe two-factor authentication Advanced Networking Describe the use and placement of NSX edge services gateways in relation to vCloud Director Review routing with the distributed logical router and edge services gateways in combination with vCloud Director Firewall management in vCloud Director with edge services gateways and the distributed firewall

Resource Management and Monitoring

Manage provider and organization Manage VMware vCenter Server® Manage vSphere datastores Configure and manage resource p Monitor usage information at provi Analyze vCloud Director logs	ີ່ອ instances and VMware ESXi™ hosts bools at the vSphere level	
	ents with VMware vRealize® Operations Manager™ and VMware vRealize® Log Insight™	
Use VMware vRealize® Business		
	Tenant layer 2 VPN access Tenant SSL VPN access	
	Review options for external connectivity with VPN	
	Import existing infrastructure managed by vCenter Server into vCloud Director	
Customer Onboarding and Hybrid C		
	Architecture for vCloud Availability for vCloud Director	
	Prerequisites of vCloud Availability for vCloud Director	
vCloud Availability for vCloud Direct vCloud Director network, hardwar vCloud Director setup overview vCloud Director cell design		
Install and configure the vCloud Director database (Microsoft SQL Server, Oracle database, or PostgreSQL)		
Create SSL certificates		
Configure VMware NSX® Manager™ for a new vCloud Director installation		
Install and configure an AMQP bro		
Download and install the VMware		
Use and set up vCloud Director federation		
	Describe tools to access the API of vCloud Director	
	Use of REST API in VMware vRealize® Orchestrator™	
	Describe access to vCloud Director using VMware PowerCLI™	
vCloud Director API and Metadata	Create and update metadata on objects	
	vCloud Director upgrade overview Upgrade prerequisites	
	NSX requirements	
	Additional information	
(Optional) vCloud Director Upgrade	Best practice for upgrades	
(optional) voloda Director Opgrade		

Audience

Cloud architects, systems engineers, data center administrators, and cloud administrators with experience in a service provider or managed services environment

Prerequisites

This course requires completion of the following course:

• VMware vSphere: Install, Configure, Manage [V6.x] or equivalent knowledge

- Completion of the following eLearning courses is recommended:
- VMware vCloud Director: Fundamentals [V8.x]
- VMware Virtual SAN: Fundamentals [V6.x]
- VMware Network Virtualization Fundamentals

Substantial knowledge of TCP/IP networking is helpful.

Programme

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

- Deploy vCloud Director
- Manage vCloud Director to satisfy service provider needs
- Create and manage vCloud Director organizations and vApps to satisfy business needs
- Create and manage vCloud Director catalogs
- Transfer virtual machine workloads from VMware vSphere® into and out of vCloud Director
- Configure networking for organizations and vApps with the help of NSX
- Use NSX to create hybrid cloud connectivity between a public cloud and a private cloud
- Discuss various customer onboarding scenarios with vCloud Director
- Configure the integration with vCloud Availability for vCloud Director
- Use vCloud Director Extender for hybrid cloud setup and onboarding

Session Dates

På anmodning. Kontakt os venligst

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.