

VMWA-23 - VMWARE CLOUD DIRECTOR: INSTALL, CONFIGURE, MANAGE [V10.3]

Categoria: **VMware**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
VMware



Qualifica Istruttore:
VMware Certified
Instructor



Dedicato a:
Professionista IT



Produttore:
VMware

OBIETTIVI

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

PREREQUISITI

Completion of the following courses and equivalent knowledge is required:

- VMware vSphere: Install, Configure, Manage or equivalent knowledge

The following experience is helpful:

- Working at the Linux command line
- Substantial knowledge of general networking concepts

CONTENUTI

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

INFO

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)