

Temario:

VMware vCloud Director: Install, Configure,
Manage [V9.7]

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 vCloud Director Deployment and Configuration

- Define Software Defined Datacenter
- Discuss VMware offerings for Cloud-Based Services
- Understand the prerequisite to install vCloud Director
- Discuss the deployment options for vCloud Director
- Differentiate different deployment options, benefits, and disadvantages
- Discuss VMware Validated Design

3 vCloud Director Provider and Organization

- Configure and manage provider VDCs
- Identify storage, compute, and network resources for vCloud Director
- Create and manage organizations, including vCloud Director organization VDCs
- Discuss vCloud Director HTML5 UI
- Discuss HTML5-based Provider Portal and Tenant Portal

4 vCloud Director Organization VDC

- Organization VDC allocation models
- Recognize resource allocations for an organization
- Describe the network types available in vCloud Director (external, organization, and vApp)
- Discuss the organization and vApp network traffic choices
- Examine the function of network pools
- Discuss Compute Profiles

5 vApps and Catalogs

- Discuss the use of virtual machines
- Create and manage vApps
- Create and manage catalogs
- Manage vApp templates
- Create and manage vApp Networks
- Discuss vApp Network Traffic Choices

6 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
- Discuss User bundle and role-based access control

8 Resource Management and Monitoring

- Manage and monitor vSphere resources
- Manage and monitor Cloud resources
- Monitor vCloud Director environment using VMware vRealize Operations Manager™
- Monitor vCloud Director environments with vRealize Operations Manager and vRealize Log Insight
- Manage billing and reports of vCloud Director objects using Tenant vApp

9 vCloud Extensibility

- Discuss Container Service Extension
- Explore vCD, CLI, and Container Service Extension
- Discuss Python SDK for vApp Deployment
- Discuss Terraform and vCloud Director
- Discuss VMware vRealize- Orchestrator™ Plug-in for vCloud Director

10 vCloud Director APIs

- Describe access to vCD objects using REST API calls
- Describe tools to access the API of vCloud Director objects
- Discuss different third-party API client tools
- Describe access to vCloud Director using Postman, Curl
- Describe access to vCloud Director using OpenAPI
- Create and update metadata on objects
- Access different vCloud objects using vCloud API

11 Customer Onboarding and Hybrid Cloud

- Discuss architecture for vCloud Availability for vCloud Director
- Review prerequisites of vCloud Availability for vCloud Director
- Discuss vCloud Availability for vCloud Director portal
- Review fail-over Virtual Machine options
- Discuss Virtual Machine replication to the Cloud
- Discuss On-Prem-to-Cloud migration

12 vCloud Director Troubleshooting

- Identify log locations for vCloud Director
- List the key services in vCloud Director
- Navigate through vCloud Director logs
- Capture vCloud Director log bundles
- Describe the troubleshooting approach for common vCloud Director issues



Para más información, contáctenos al correo:
informes@netecdigital.com

www.netecdigital.com