

VMware VCAP CIA LAB Practical Training

Course Duration : **20Days**

Class Duration : **3hours per day (Fast Track Course duration 10days “ Per day 8 hours “)**

Course Fee Details

Classroom Training: - **₹ 30000**

Fast-Track Training: - **₹ 35000** -----(For Classroom Training only)

Online Training: - **₹ 40000**

❖ **Note:** - ★ ★ ★ VMware vCloud Administration Training is prerequisite for This course. ★ ★ ★

Module-1 Configure and Maintain vCloud Director

- 1.1 Configure Centralized logging
- 1.2 Configure vCloud Director for scalability
- 1.3 Maintain vCloud using command line tools
- 1.4 Configure Alarms and Notifications
- 1.5 Manage vCenter Chargeback reports

Module-2 Manage vSphere Resources

- 2.1 Add vSphere compute resources to vCloud Director
- 2.2 Manage vSphere storage resources
- 2.3 Manage vSphere network resources

Module-3 Manage vCloud Director Resources

- 3.1 Manage Provider VDCs
- 3.2 Manage vCloud Director network resources
- 3.3 Manage Organization VDCs
- 3.4 Manage an Organization

Module-4 Manage Complex vCloud Director Networks

- 4.1 Configure Organization and vApp network services
- 4.2 Create and maintain cloud networks

Module-5 Manage Security

- 5.1 Manage vCloud Director SSL Certificates
- 5.2 Configure and manage vCD access control

Module-6 Manage catalogs and vApps

- 6.1 Share vApps and catalogs
- 6.2 Create and deploy vApps
- 6.3 Create and configure catalogs
- 6.4 Manage vApp storage settings

1.1 Configure centralized logging

- 1) Determine use cases for and configure local and syslog options for vCloud Director
- 2) Configure and administer logging options for VMware vShield™ Manager
- 3) Configure Log4j options for vCloud Director

1.2 Configure vCloud Director for scalability

- 1) Generate vCloud Director response files
- 2) Add vCloud cells to an existing installation using response files
- 3) Set up vCloud Director transfer storage space
- 4) Configure vCloud Director load balancing

1.3 Maintain vCloud using command line tools

- 1) Manage and maintain vCloud Director cells using the cell management tool
- 2) Install and manage a vCloud Director installation using the configure script
- 3) Manage vCloud services using Red Hat command line tools including service, **chkconfig** and **netstat**
- 4) Collect logs for troubleshooting using the support script

1.4 Configure Alarms and Notifications

- 1) Configure SMTP and notification settings
- 2) Configure warning alerts
- 3) Create System maintenance message

1.5 Manage vCenter Chargeback reports

- 1) Generate and archive basic reports
- 2) vCenter Chargeback Manager Web Console

2.1 Add vSphere compute resources to vCloud Director

- 1) Add new vCenter servers to vCloud Director
- 2) Prepare/unprepared hosts in vCloud Director
- 3) Add ESXi hosts to vCenter
- 4) Manage ESXi hosts and DRS resource pools in vCenter

2.2 Manage vSphere storage resources

- 1) Decommission storage
- 2) Create and manage storage profiles

2.3 Manage vSphere network resources

- 1) Create and manage vSphere port groups
- 2) Configure vSphere network options including MTU and VLAN
- 3) Prepare vSphere cluster for VXLAN

3.1 Manage Provider VDCs

- 1) Create and Provider VDCs
- 2) Merge or Expand Provider VDCs
- 3) Manage Provider VDC options

3.2 Manage vCloud Director network resources

- 1) Create and manage network pools
- 2) Create Provider external networks
- 3) Manage and remove network resources

3.3 Manage Organization VDCs

- 1) Create and manage Organizations
- 2) Manage Organization policies and settings
 - 1) vCloud Director Web Console
 - 2) Identify org VDC types
 - 3) Identify org VDC options
 - 4) Identify org VDC network options

3.4 Manage an Organization

- 1) Create and manage Organizations
- 2) Manage Organization policies and settings

4.1 Configure Organization and vApp network services

- 1) Configure DHCP and DNS relay
- 2) Configure and maintain Virtual Private Networks
- 3) Configure and maintain firewall rules including source and destination NAT
- 4) Configure and maintain static routes

4.2 Create and maintain cloud networks

- 1) Configure and maintain direct and routed internal, external and vApp networks
- 2) Configure Edge Gateways for availability and scalability

5.1 Manage vCloud Director SSL Certificates

- 1) Create and process certificate requests
- 2) Replace default certificates
- 3) vCloud Director Web Console
- 4) vCloud Director command shell

5.2 – Configure and manage vCD access control

- 1) Configure LDAP (Active Directory and Open LDAP)
- 2) Import users and groups from a LDAP source
- 3) Create and assign roles
- 4) Configure Organization LDAP using a unique DN
- 5) Configure and maintain VMware Single Sign-On for vCloud Suite products
- 6) vCloud Director Web Console
- 7) vShield Manager Web Console

6.1 Share vApps and catalogs

- 1) Manage catalog sharing and access levels
- 2) Manage vApp sharing and access levels
- 3) Manage Catalog and vApp ownership

6.2 Create and deploy vApps

- 1) Customize vApps
- 2) Manage guest customization including SYSPREP utilities
- 3) Create and deploy vApps

6.3 Create and configure catalogs

- 1) Create and share catalogs
- 2) Import vSphere virtual machines and templates in to a catalog
- 3) Import media into a catalog
- 4) Manage vApps and media in a catalog

6.4 Manage vApp storage settings

- 1) Create, discard and commit snapshots in vCloud Director
- 2) Consolidate vApps
- 3) Monitor chain length

❑ This Course designed for VMware VCAP DCA Exam Preparation

❖ Terms & Conditions

❖ He/She must have VMware vCloud Administration Knowledge.

❑ Target Audience

- VMware vCloud Admin
 - System administrators of (Windows, Linux, Unix, MAC ...etc.)
 - Systems engineers
 - Storage administrators
 - Network administrators
 - Network Security administrators ...etc.
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