

RHCVA

REDHAT CERTIFICATE VIRTUALIZATION ADMINISTRATOR



CURRICULUM

» Basic Linux Concept

- Introduction of Linux
- Basic command of Linux
- Installation of Linux
- Manage the file System
- Partition Creation & Mount the file system
- LVM Partition & Mount LVM
- Snapshot of LVM

» Lecture #1. Red Hat Enterprise Virtualization

- Virtualization
- Native / Para / x86 hardware assisted Virtualization
- Xen vs KVM
- KVM & KSM
- KVM Device Model
- VirtIO
- Virt-Manager

» Lecture #2. Advance RHEL Virtualization

- Managing virtual machines with RHN
- virt-install
- Defining VMs with libvirt
- Starting VMs at boot
- iSCSI
- Configuring iSCSI targets
- Configuring iSCSI initiators
- Shared storage and iSCSI considerations

» **Lecture #3. Red Hat Enterprise Virtualization**

- Red Hat Enterprise Virtualization
- RHEV for Servers
- RHEV Manager
- RHEV Manager: Requirements
- Red Hat Enterprise Virtualization Hypervisor
- Central Storage Repository
- VDSM
- Configuring Active Directory

» **Lecture #4. RHEV Manager**

- Installing RHEV Manager
- Installing RHEV-M components
- RHEV-M Database
- Accessing RHEV-M Admin Portal

» **Lecture #5. RHEV Hypervisor 2.2**

- Introduction to RHEV-H
- Architecture Overview
- Installing RHEV-H
- RHEV-H Boot Menu
- RHEV-H Firstboot Menu
- Filesystems
- Reconfiguration
- Upgrading RHEV-H
- Troubleshooting RHEV-H
- Important Log Files

» **Lecture #6. RHEV Data Center**

- Storage Domains
- Storage Pool Manager
- Cluster
- System Scheduler
- Logical Networks
- Creating Data Center
- Creating Cluster
- Preparing NFS Storage
- Preparing iSCSI Storage
- ISO Uploader

» **Lecture #7. RHEV for Servers**

- Creating New Virtual Server
- Installing a Virtual Server
- PXE installation
- Starting and Stopping Guests
- Virtual Server Console
- Editing VM Configuration
- Migrating VM
- Moving VM images
- Removing Guests

» **Lecture #8. RHEV for Desktops**

- RHEV for Desktops Architecture
- RHEV for Desktops Main Features
- SPICE
- SPICE Drivers
- Creating a New Virtual Desktop
- Installing Windows Network virtIO Drivers
- Configuring SPICE for RHEL Guests

» **Lecture #9. Snapshots and Templates**

- Data Domain Image Formats
- Image Management: Snapshots
- Creating VM Snapshots
- Restoring VM Snapshots
- Deleting VM Snapshots
- Templates
- Creating Templates
- Windows Template: Sysprep
- RHEV and Sysprep
- RHEV configuration tools and sysprep

» **Lecture #10. Desktop Pools, Users & Portal**

- Desktop Pools
- Creating Desktop Pools
- Managing Desktop Pools
- Managing
- Lecture #11. Advanced RHEV Users
- User Portal
- Accessing the Portal
- Accessing Virtual Desktops

» Lecture #11. Advanced RHEV

- Exporting and Importing Virtual Resources
- virt-v2v
- Using Search Bar
- Using Tags
- Using Monitoring Tools
- Using Log Collector

» Lecture #12. RHEV Managed RHEL Hosts

- RHEV Software for RHEL hosts
- Installing RHEL
- Installing Prerequisite software
- RHEL Node Registration with RHEV
- Troubleshooting Registration
- Performance Tuning

Partners :



Java



development | consultancy | training

E-mail: info@ducatindia.com
Visit us: www.ducatinidia.com
www.facebook.com/ducateducation

NOIDA

A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
Ph. : 0120-4646464
Mb. : 09871055180

GURGAON

1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
Ph. : 0124-4219095-96-97-98
Mb. : 09873477222-333

GREATER NOIDA

F 205 Neelkanth Plaza Alpha 1
commercial Belt Opposite to Alpha
Metro Station Greater Noida
Ph. : 0120-4345190-91-92 to 97
Mb. : 09899909738, 09899913475

GHAZIABAD

1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
Ph.: 0120-4835400...98-99
Mb. : 09810831363 / 9818106660
: 08802288258 - 59-60

FARIDABAD

SCO-32, 1st Floor, Sec.-16,
Faridabad (HARYANA)
Ph. : 0129-4150605-09
Mb. : 09811612707