

**3 Days**

## Oracle VM Server for x86: Administration Ed 1 NEW

This Oracle VM Server for x86: Administration course explores building the infrastructure for cloud computing. Expert Oracle University instructors will show you how to support enterprise applications by deploying pooled server resources to create virtual machines. Plan a virtual solution. Install the Oracle VM Server and the Oracle VM Manager software. Configure network resources to provide isolation and redundancy. Add SAN and NFS to provision storage for the virtual environment. Create server pools and repositories to support application workloads. Speed up virtual machine deployment with templates and assemblies. Use virtual machine high availability. Use server pool policies to maximize the performance of your server workloads. Using the Oracle VM application-driven architecture is different from using traditional virtualization. Built with the application stack and manageability in mind, Oracle VM offers a complete lifecycle compute stack virtualization. This course will help you consolidate the server foot print, while acquiring the tools to deploy or consolidate application workloads to a virtualized environment or migrate to a private cloud. Learn Ease of Deployment and Management Built to support all different workloads, with a specific emphasis on ease of deployment and management of Oracle applications, you'll also learn to create server pools to take advantage of your existing storage and networking infrastructure. This will seamlessly manage storage from a central location using Oracle VM Storage Connect. Using features like anti-affinity groups and Dynamic Resource Scheduling policy, you'll implement and manage the inter-connections between the virtual machines running your multi-tier enterprise applications. Gain Hands-On Experience Extensive hands-on practices will guide you through each step for building your virtual environment. With the skills acquired during these exercises, you can scale your virtual environment to support the most demanding workloads.

## Course Details

### Course Outline

Introducing Oracle VM with Oracle VM Server for x86 Benefits of Server Virtualization Oracle VM within Server Virtualization Landscape Components of Oracle VM Features of Oracle VM Benefits of Oracle VM Planning and Installation Installation Planning Hardware and Software Requirements Network and Storage Planning Installation Options and Processes Post Installation Tasks Upgrade of Oracle VM Server for x86 Managing Servers and Networks Discovering Oracle VM Servers Managing Oracle VM Servers Understanding Network Functions Creating Network Bonds, VLANs, VLAN Groups Creating and Managing Networks Managing Storage Storage Types and Functions Storage Connect Framework File Server and SAN Server Discovery Managing Storage Elements Physical Disks Creation and Cloning Server Pools and Repositories Server Pool Functions and Policies Distributed Resource Scheduling and Dynamic Power Management Server Pool Design Creating Server Pools Anti-Affinity Groups Creating Repositories Populating Repositories Cloning Virtual Disks Managing Virtual Machines Virtual Machine Components PVM and HVM Guests Installing Guest Operating Systems Use of Templates and Assemblies Cloning of Virtual Machines and Templates High Availability Feature Virtual Machine Console Migrating Virtual Machines

### Who Should Attend

Architect Support Engineer System Administrator Technical Administrator

464, Udyog Vihar Phase  
V, Gurgaon (Delhi  
NCR)-122016, India

+91 8882 233 777

training@mercury.co.in

www.mercurysolutions.co

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