

Oracle Virtual Desktop Infrastructure Administration

Duration: 3 Days

What you will learn

Oracle Virtual Desktop Infrastructure (Oracle VDI) is a complete management, hosting and access solution for virtualized desktops hosted in the datacenter.

Oracle VDI offers ground-breaking VDI storage economics, built-in virtualization capabilities, and support for a wide variety of virtual desktop operating systems. The open architecture of Oracle VDI software gives end-users access to a broader choice of client devices and virtualization hosts, increasing flexibility, management efficiency, and data security.

This three-day course introduces you to the Oracle VDI software technology and software administration. Along with installing Oracle VDI Software, you are introduced to the architectural details of the software, providing a foundation to understand the individual features introduced in subsequent modules. Through a combination of instructor-led lectures and hands-on labs, you are introduced to the following Oracle VDI components and features:

- Oracle VM VirtualBox and other desktop providers
- LDAP and Microsoft Active Directory directory server integration
- Open Storage platform for the back-end storage of user desktops
- Sun Ray Software (SRS) and Oracle Secure Global Desktop (SGD) for the access of user desktops
- Oracle VDI administration and troubleshooting tools

Audience

- Architect
- Data Center Manager
- System Administrator

Related Training

Required Prerequisites

- Perform Oracle Solaris 10 installation and basic configuration tasks
- Perform Windows XP installation, configuration and deployment tasks
- Administer user directory environments

Suggested Prerequisites

- Familiarity with Sun Ray Software administration
- Sun Ray Administration Workshop (VM-200)

Course Objectives

Describe the architecture of the Oracle VDI solution

Perform the installation and configuration for the Oracle VDI software

Configure the Oracle VM VirtualBox desktop provider

Provision Microsoft Windows OS and Ubuntu desktop images

Clone virtual desktop images

Manage desktop pool resources and behavior

Configure Oracle VDI software to deliver desktops to users through Sun Ray Software (SRS), Oracle Secure Global Desktop (Oracle SGD) and Remote Desktop Protocol (RDP)

Troubleshoot installation and configuration issues in the Oracle VDI environment

Course Topics

Oracle Virtual Desktop Infrastructure Introduction

The Oracle VDI solution, its Components and Benefits

The Oracle VDI Architecture: Layers and Components

Oracle VDI Management Interfaces

Oracle VDI Core Installation and Configuration

High Level View of Steps to Deploy Desktops with Oracle VDI

Oracle VDI New Features and Resources

Oracle VDI Desktop Providers

The Role and Characteristics of the Desktop Provider

Storage Choices with Oracle VM VirtualBox

How Oracle VM VirtualBox Communicates with Storage

Oracle VM VirtualBox Installation and Administrative Interfaces

Create and Modify Desktop Providers with Oracle VDI Manager

Create Templates on Desktop Providers

Desktops, Pools and Templates

The role of Oracle VDI Pools and Pool Types

The Desktop Lifecycle and Desktop States

Creating Desktop Pools and Modifying Pool Parameters for Automated Cloning

Preparing Desktops for Windows System Preparation

Performing Template and Revisions Manipulations

Users, Directories and Companies

The Role of User Directory Integration

Understanding User Directory Authentication Mechanisms and their Features

How to perform User Directory Configuration

How to create and View User Assignments

Understanding the Role of LDAP Filters and Attributes for User Directory Operations

Creating Custom Groups

Sessions and Protocols

How End-Users Access their Desktops

The Oracle Secure Global Desktop (SGD) Access Solution

The Role of the Sun Ray Kiosk Mode in Providing Desktops to End-Users

The Oracle VDI Authentication Process

How End-Users Access their Desktops using Sun Ray Thin Clients and the Remote Desktop Protocol (RDP)

Sun Ray PC/SE-lite, Sun Ray Multimedia Enhancements and USB Redirection

High Availability in the Oracle VDI Environment

High Availability Components in the Oracle VDI Solution

Oracle VDI High Availability options

The Role of Oracle VDI Nodes in High Availability configurations

Load Balancing in the Oracle VDI Solution

High Availability Options for Oracle VDI storage servers

Operations and Troubleshooting

Using of the CLI with Oracle VDI

Monitoring and Maintaining Hypervisor and Storage Hosts

How End-Users Requests are handled by the Oracle VDI Cluster

How to Troubleshoot Problems at Each Layer of the Oracle VDI Solution

How to Troubleshoot Problems with USB Redirection and Multimedia Enhancements