Oracle® VM

Quick Start Guide

Release 2.1

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This document introduces Oracle VM and gives you a high level overview of how to download and install the software, and how to create a virtual machine. This document contains:

- Introduction to Oracle VM
- Preinstallation Tasks and Requirements
- Installing Oracle VM Server
- Installing Oracle VM Manager
- Adding the Oracle VM Server to Oracle VM Manager
- Creating a Virtual Machine
- Related Documents
- Documentation Accessibility

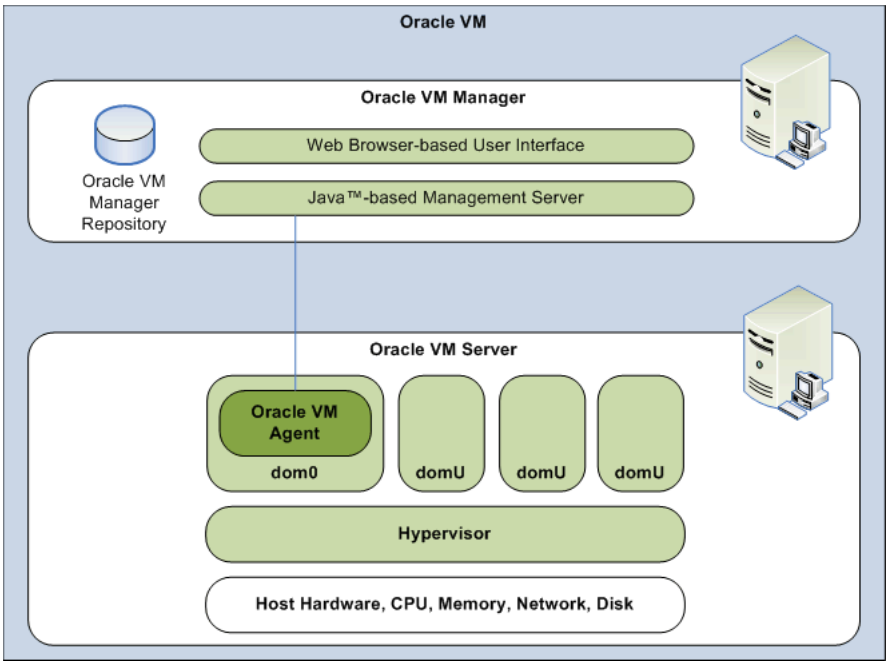
1 Introduction to Oracle VM

Oracle VM is a platform that provides a fully equipped environment for better leveraging the benefits of virtualization technology. Oracle VM enables you to deploy operating systems and application software within a supported virtualization environment. The components of Oracle VM are:

- **Oracle VM Manager**: Provides the user interface, which is a standard ADF (Application Development Framework) web application, to manage Oracle VM Servers. Manages virtual machine lifecycle, including creating virtual machines from installation media or from a virtual machine template, deleting, powering off, uploading, deployment and live migration of virtual machines. Manages resources, including ISO files, virtual machine templates and sharable hard disks.
- **Oracle VM Server**: A self-contained virtualization environment designed to provide a lightweight, secure, server-based platform for running virtual machines. Oracle VM Server is based upon an updated version of the underlying Xen hypervisor technology, and includes Oracle VM Agent.
- **Oracle VM Agent**: Installed with Oracle VM Server. It communicates with Oracle VM Manager for management of virtual machines.

Figure 1, "Oracle VM Architecture" shows the components of Oracle VM.

Figure 1 Oracle VM Architecture



2 Preinstallation Tasks and Requirements

Before you start the Oracle VM installation, make sure your computer meets the minimum hardware and software requirements. This section contains:

- Downloading Oracle VM
- Hardware Requirements

2.1 Downloading Oracle VM

If you do not already have the Oracle VM software CDs, download them from:

`http://www.oracle.com/virtualization`

The two ISO files you should download are:

- Oracle VM Server
- Oracle VM Manager

Burn the Oracle VM Server ISO file to a bootable CD.

Burn the Oracle VM Manager ISO file to a CD.

2.2 Hardware Requirements

You need two computers with static IP addresses to install Oracle VM:

- One clean computer to install Oracle VM Server
- One computer to install Oracle VM Manager with one of the following operating systems installed:
  - Oracle Enterprise Linux Release 4 Update 5 or later

- Red Hat Enterprise Linux Release 4 or later

See the *Oracle VM Server Release Notes* and the *Oracle VM Manager Release Notes* for detailed information on hardware requirements.

3 Installing Oracle VM Server

Installing Oracle VM Server deletes any previous operating system and data on the computer. To install Oracle VM Server:

1. Boot the computer on which you want to Oracle VM Server with your Oracle VM Server CD.
2. At the boot prompt, press **Enter**.
3. Follow the prompts to install Oracle VM Server.
4. Log into Oracle VM Server as `root` with the password you set during the installation.

See the *Oracle VM Server Installation Guide* for detailed information on installing Oracle VM Server.

4 Installing Oracle VM Manager

To install Oracle VM Manager:

1. Start up the operating system on the computer on which you want to install Oracle VM Manager.
2. Insert and mount the Oracle VM Manager CD.
3. As `root` start the Oracle VM Manager installation script:

   ```
   sh runInstaller.sh
   ```

4. Follow the prompts to install Oracle VM Manager.

See the *Oracle VM Manager Installation Guide* for detailed information on installing Oracle VM Manager.

5 Adding the Oracle VM Server to Oracle VM Manager

You can use Oracle VM Manager to create and manage virtual machines on Oracle VM Server. To create a virtual machine using Oracle VM Manager, you must first set up a Server Pool containing a Server Pool Master, a Utility Server and a Virtual Machine Server. To do this, you must complete the following steps:

1. Open a web browser and log into the Oracle VM Manager web interface. Use the default administrator username `admin` with the password you set during the installation. The URL is:

   `http://`*`hostname`*`:8888/OVS`

   hostname is the name or IP address of the Oracle VM Manager host computer.
2. Create a Server Pool.
3. Add the Oracle VM Server to the Server Pool. Select whether the Oracle VM Server is to be used as a Server Pool Master, a Utility Server, and/or a Virtual Machine Server.

4. Upload any existing virtual machines as virtual machine templates.
5. Upload any operating system ISO files as installation media.

See the *Oracle VM Manager User's Guide* for more detailed information.

6 Creating a Virtual Machine

Create a virtual machine, either as a paravirtualized guest or as a hardware virtualized guest. Create virtual machines using the Oracle VM Server command-line tool, virt-install, or using Oracle VM Manager. There are a number of ways to create a virtual machine using Oracle VM Manager:

- Using a virtual machine template
- Using installation media
- Importing a virtual machine

See the *Oracle VM Server User's Guide* and the *Oracle VM Manager User's Guide* for more information.

7 Related Documents

For more detailed information, see the following documents in the Oracle VM Release 2.1 documentation set:

- *Oracle VM Server Release Notes*
- *Oracle VM Server Installation Guide*
- *Oracle VM Server User's Guide*
- *Oracle VM Manager Release Notes*
- *Oracle VM Manager Installation Guide*
- *Oracle VM Manager User's Guide*
- *Oracle VM Managing Oracle Enterprise Linux with Oracle Enterprise Manager 10g Grid Control Guide for Linux*

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