

# WHAT'S NEW: ORACLE VM 2.1.2

## ORACLE VM

### ORACLE'S CERTIFIED VIRTUALIZATION SOLUTION

- Complete server virtualization and management with no license costs;
- Speeds application deployment with VM Templates;
- Modern, low overhead architecture for leading price/performance;
- Included Live Migration, VM High-Availability, and other advanced features.

*Oracle VM is a free, state-of-the-art server virtualization and management solution that makes enterprise applications easier to deploy, manage, and support. With the latest release - Oracle VM 2.1.2 - customers now benefit from advanced and robust high availability features for guest VMs and for the management server itself. This latest release also provides a wide-range of new features to help customers migrate their physical or virtual servers into Oracle VM rapidly to eliminate license costs, and to easily deploy sophisticated enterprise applications with an expanded list of Oracle VM Templates.*

### Up and Running Faster; Highly Available and Secure

Any virtualization solution has to not only help you consolidate servers, it also has to increase your flexibility, meet your price/performance needs, and make applications easier to deploy, manage, and support, not harder. [Oracle VM 2.1.2](#) delivers significant new enhancements to make it faster and easier to roll-out and reduce costs, but also to make your environment more highly available and secure.

Highlighted enhancements:

- **New Advanced VM High Availability Features** – Minimize or eliminate planned- and unplanned downtime through included VM High Availability features;
- **New HA Clustered Oracle VM Manager** – Optionally cluster Oracle VM Manager for maximum management up-time;
- **New Physical-to-Virtual / Virtual-to-Virtual Machine Conversion** – Quickly convert existing Linux physical servers or VMware® virtual machines to Oracle VM virtual machines to reduce license expenses;
- **New Secure Live Migration** – Most migration products don't encrypt your migration traffic, creating vulnerabilities. Oracle VM now SSL encrypts migration traffic to protect sensitive data from exploitation and eliminate the requirement for additional hardware and dedicated networks;
- **New VM Templates for Faster Application Deployment** – Download and import pre-configured virtual machines containing pre-installed Oracle enterprise applications or other software to get up and running in hours not weeks.

## Oracle VM 2.1.2: New Feature Summary

- **Guest VM and Management High Availability**
  - Auto-VM & Server restart on failure;
  - Restart or Live Migrate on Server shut down;
  - Oracle VM Manager HA: Clustered management server;
  - Multipath I/O and RDAC storage driver support.
- **Physical- & Virtual Machine Migration**
  - Linux Physical-to-Virtual Machine migration;
  - VMware VM (vmdk) Image Conversion.
- **Accelerated Application Deployment: New Templates**
  - Enterprise Manager Grid Control VM Template;
  - Siebel CRM 8 VM Template.
- **VM I/O Resource Management**
  - Block I/O prioritization for VM virtual block devices
  - Net I/O bandwidth caps on VM virtual network interfaces
- **Security**
  - Secure Live Migration: SSL Encrypted Live Migration performed by Oracle VM Server software.
- **Ease of Use**
  - Oracle VM Manager getting-started wizard;
  - Keyboard language mapping for console session;
  - Oracle VM Manager: Support for XE, SE, EE, or RAC management repository database;
  - Oracle VM debugger module for GDB (GNU Debugger) Server;
  - For the Xen / open source community: kdb kernel debugger.
- **Performance**
  - I/O enhancement: Block device emulation on top of OCFS2 files (“fast loopback”);
  - I/O enhancement: Block device emulation on top of NFS volumes (“dm-nfs”);
  - Extensive driver updates and additions from Intel, Dell, Broadcom, Chelsio...
- **New Guest OS Certification**
  - Added support for Windows Server 2008 SP1.
- **New and Updated Drivers**
  - Updates and additions from Broadcom, Dell, Chelsio, Emulex, HP, Intel, LSI, open source / Linux and others (consult documentation);
  - NIC, HBA, SCSI, RAID, and chipset/platform updates.

Please refer to the [product documentation](#) for complete information the use of these and other new features in Oracle VM 2.1.2.

## System Requirements: More Management Flexibility and Scalability

The latest release of Oracle VM has enhanced system requirements to allow greater deployment flexibility:

- **New:** The management repository can now be comprised of any of the database editions: Oracle Database Express Edition (XE), Standard Edition (SE), or

Enterprise Edition (EE) to allow greater flexibility to use existing licenses;

- **New:** The Oracle VM Manager management repository can now optionally reside on either on the same machine as the management server or a separate server to allow better tailoring to your scalability and availability needs.

### **The Certified and Supported Virtualization Environment for Oracle**

Oracle performs real-world testing on its broad portfolio of products with Oracle VM to ensure bulletproof reliability and streamlined support. Consult Support Note 464754.1 on Oracle's [MetaLink](#) support website for the latest information on exact product versions certified.

### **Oracle VM Support: The Complete Stack – One Call Worldwide**

Oracle's world-class support organization offers Oracle VM Premier Support including:

- Access to patches, fixes, and updates delivered via a subscriber network, the Unbreakable Linux Network;
- 24x7 global support.

Oracle VM software is available for [free download](#). Support for Oracle VM can be purchased via [the Oracle VM Store](#).

Pricing for Oracle VM support is calculated on a per system basis: Consult Oracle's [pricing guide](#) for further details.

### **More Information**

With Oracle VM, Oracle demonstrates its on-going commitment to providing customers with integrated, scalable, and highly available infrastructure while lowering operating costs

For more information, visit [oracle.com/virtualization](http://oracle.com/virtualization)