



ORACLE VM VIRTUALBOX

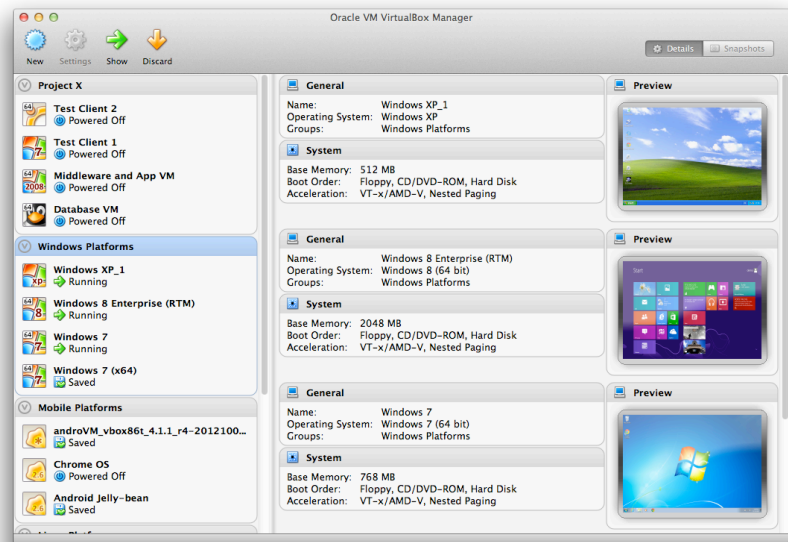
KEY FEATURES

- Available for Windows, Mac OS X, Linux and Oracle Solaris host operating systems
- Supports a wide-range of guest platforms
- Easy to use graphical user interface
- Powerful, scriptable command-line interface
- Import and export virtual machines using OVF/OVA standards
- Shared folders between guest vm and host machine
- Seamless, resizable, and full screen window display modes
- Video and 3D (OpenGL, DirectX) acceleration
- Multiple virtual screen support
- Powerful and flexible networking options
- USB and serial ports
- SAS, SATA, SCSI and IDE storage controllers
- Built-in iSCSI initiator
- Built-in Remote Display Server
- Multi-generational branched snapshots
- Linked and Full Clones
- Controllable Copy-and-Paste
- VM Groups

KEY BENEFITS

- Run almost any type of application on your existing machine
- Quickly and easily try out new platforms
- Create an optimum test and development environment
- Build a multi-tier demonstration system on a single portable machine
- Extend the lifetime and usefulness of existing computers
- Run legacy platforms and applications on modern hardware
- Easily create isolated environments

Oracle VM VirtualBox is cross-platform virtualization software that allows you to extend your existing computer to run multiple operating systems at the same time. Designed for IT professionals, Oracle VM VirtualBox runs on Windows, Mac OS X, Linux and Oracle Solaris systems and is ideal for testing, developing, demonstrating and deploying solutions across multiple platforms on one machine.



Easy to use, Fast and Powerful, Great Platform coverage

Designed for use on systems ranging from ultrabooks to high-end server class hardware, Oracle VM VirtualBox is lightweight and easy to install and use. Yet under the deceptively simple exterior lies an extremely fast and powerful virtualization engine. With a formidable reputation for speed and agility, Oracle VM VirtualBox contains innovative features to deliver tangible business benefits: significant performance improvements; a more powerful virtualization system; and a wider range of supported guest operating system platforms.

Easy to Use

- **New Improved VirtualBox Manager with VM Groups** – the Oracle VM VirtualBox Manager now supports groups of virtual machines. Groups provide an easy way of organizing and operating on VMs as a collective, so a complete group can be started and stopped together;

- **Easy to use Wizards** – wizards help with the creation of new virtual machines. Pre-configured settings are used based on the type of guest OS;
- **Easy import and export of appliances** – virtual machines can be created, configured and then shared by exporting and importing virtual appliances using industry-standard formats such as .ova;
- **New VirtualBox Guest Additions** – installed inside the guest virtual machine, the Guest Additions provide a more natural user experience. For example, guest windows can be easily resized to arbitrary resolutions, made full-screen or even operate in seamless mode. And data can be copy and pasted to and from, and between, concurrently running machines and the host platform. This functionality is now controllable as bi-directional, uni-directional or disabled;
- **Shared Folders** – share your host platform’s filesystem with the guest to facilitate real cross-platform computing;
- **Flexible Networking options** – Oracle VM VirtualBox offers a rich range of networking models from easy-to-use NAT networking, to fully functional bridged networking, and specialist internal and host-only networking too;
- **Virtual Media Manager** – Oracle VM VirtualBox supports the widest range of virtual disk formats from its own native .VDI format to those offered by Microsoft (.vhd), VMware (.vmdk), and Parallels (.vdd). The Virtual Media Manager tool now allows conversions between formats using an easy to use graphical user interface.

Performance and Power

- **New Latest Intel and AMD hardware support** – harnessing the latest in chip-level support for virtualization, Oracle VM VirtualBox supports even the most recent AMD and Intel processors bringing faster execution times for everything from Windows to Linux and Oracle Solaris guests. But Oracle VM VirtualBox will also run on older hardware without VT support;
- **Powerful Virtual Machines** – Oracle VM VirtualBox supports guests with up to 32 vCPUs and up to 1 TB of RAM;
- **High-performance storage I/O subsystem** – Oracle VM VirtualBox offers a wide range of virtual storage controllers including SAS, SATA, SCSI and IDE controllers. VirtualBox utilizes an asynchronous I/O virtual disk subsystem to achieve high-performance whilst maintaining high data integrity;
- **Built-in iSCSI Initiator** – Oracle VM VirtualBox includes an iSCSI initiator that allows virtual disks to exist as iSCSI targets. The guest sees a standard storage controller but disk accesses are translated into iSCSI commands and sent across the network;
- **3D Graphics and Video Acceleration** – the Guest Additions now feature new display drivers that accelerate 3D graphics by intercepting OpenGL and Direct3D calls in the guest and leveraging the host’s GPU to render the images and video onto the screen.
- **Remote Display Protocol** – the unique built-in VirtualBox Remote Display Protocol (VRDP) enables powerful remote, graphical access to the console of the guest. Microsoft RDP capable clients can connect to one or more remote monitors, with USB device

redirection when using rdesktop-based clients;

- **New Up to 36 vNICs** – Oracle VM VirtualBox now supports up to 36 virtual Network Interface Cards which can be configured to exist on different networks, providing a great way of testing complex networking setups;
- **Serial and USB connections** – external devices can be connected to guests, with specific USB devices selected by a powerful filter mechanism;
- **High-Definition Audio** – guests enjoy the rich audio capabilities of an Intel high-definition audio card
- **Full ACPI support** – the host’s power status is fully available to the guest and ACPI button events can be sent to the guest to control the lifecycle of the virtual machine;
- **Linked and Full Clones** – Oracle VM VirtualBox makes it easy to clone virtual machines. Clones can be full copies of configuration information and virtual disks, or may share a parent virtual disk for faster cloning and greater storage efficiency;
- **Multi-generational and Branched snapshots** – snapshots allow a user to revert to previous known states. Take a snapshot before installing software, then revert to the snapshot to recover the pre-installation state;
- **Page Fusion** – traditional page sharing techniques have suffered from long and expensive cache construction as pages are scrutinized as candidates for de-duplication. Taking a smarter approach, VirtualBox Page Fusion uses intelligence in the guest virtual machine to determine much more rapidly and accurately those pages which can be eliminated thereby increasing the capacity or VM density of the system;
- **New Resource Controls** – host resources such as CPU execution, disk and network I/O can be capped or throttled to protect against rogue guests consuming excessive amounts;
- **New Guest Automation** – the Guest Automation APIs have been extended to allow host-based logic to drive operations in the guest including update of the Guest Additions;
- **Web services** – a Web service API enables remote control of Oracle VM VirtualBox by authorized clients.

Platforms

- **New Commercially supported platforms** – Oracle VM VirtualBox enables you to install and run a huge range of host and guest platforms. Oracle now offers commercial support for the most popular guest operating systems, assuring customers of expert help when they need it.
- **New Oracle Linux 6** – support for the latest version of Oracle's flagship Linux platform;
- **New Ubuntu and Fedora** – support for both the desktop and server versions of the most popular Ubuntu Linux and Fedora distributions;
- **New Mac OS X Mountain Lion** – the latest Mac OS X platform from Apple.
- **New Windows 8 and Windows Server 2012** – the latest platforms from Microsoft.

Please refer to the User Manual for complete information on the use of these and other new features in Oracle VM VirtualBox.

System Requirements			
Hardware Requirements:			
Processor	Any x86 compatible processor from Intel or AMD (with or without VT-x or AMD-V support)		
Memory	Minimum 1GB + RAM as required by running guests		
Host Platform Requirements (Commercially supported):			
Windows	Mac OS X	Linux hosts (32-bit and 64-bit)	Oracle Solaris hosts (64-bit)
<ul style="list-style-type: none"> Windows XP, all service packs (32-bit) Windows Server 2003 (32-bit) Windows Vista (32-bit and 64-bit) Windows Server 2008 (32-bit and 64-bit) Windows 7 (32-bit and 64-bit) Windows 8 (32-bit and 64-bit) Windows Server 2012 	<ul style="list-style-type: none"> 10.6 (Snow Leopard, 32-bit and 64-bit) 10.7 (Lion, 32-bit and 64-bit) 10.8 (Mountain Lion, 32-bit and 64-bit) 	<ul style="list-style-type: none"> Oracle Enterprise Linux 5, Oracle Linux 6 Ubuntu: 10.04 ("Lucid Lynx"), 10.10 ("Maverick Meerkat"), 11.04 ("Natty Narwhal"), 11.10 ("Ocelot"), 12.04 ("Precise Pangolin") Red Hat Enterprise Linux 5 and 6 SUSE Linux Enterprise Desktop and Server 11 	<ul style="list-style-type: none"> Solaris 11 Solaris 10 (u8 and higher)

Huge Community Backing

One of the benefits of choosing one of the world's most popular cross-platform and open source virtualization products is that you are always just a click away from our vibrant, knowledgeable and supportive community at forums.virtualbox.org.

Oracle VM VirtualBox – Downloads and Licensing

Oracle VM VirtualBox is available for download from oracle.com and is free for personal use. Enterprise licenses are available for wider deployments, and if you want to embed the Oracle VM VirtualBox technology in your solution contact vbox_oem_sales_ww@oracle.com.

Contact Us

For more information about Oracle VM VirtualBox, visit oracle.com/virtualization or call +1.800.ORACLE1 to speak to an Oracle representative.



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