

ORACLE®

Oracle VM VirtualBox: The Best Tool I Ever Used

Andy Hall

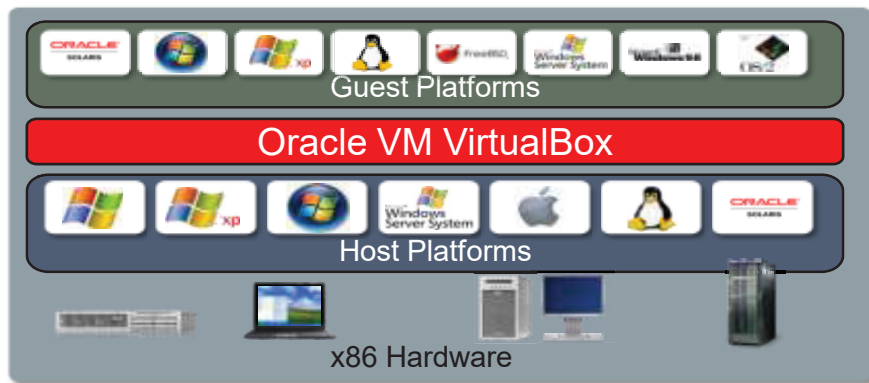
Director of Product Management

Hardware and Software
Engineered to Work Together

ORACLE
OPEN
WORLD

Oracle VM VirtualBox

Cross-platform Virtualization Software

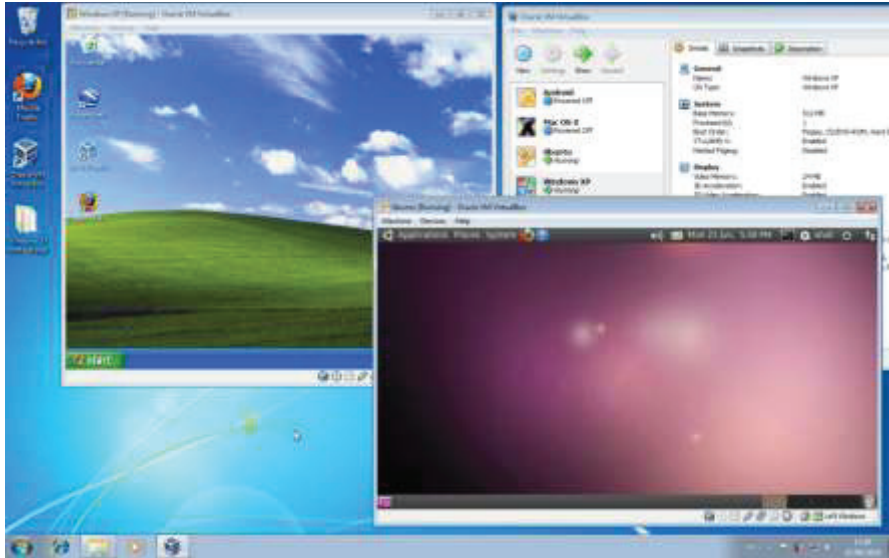


- For Windows, Linux, Solaris and Mac Hosts
- Leverage existing hardware and skillsets
- Huge Guest Coverage
- Easy to install and use
- Fast and powerful
- Free for Personal Use

Oracle VM VirtualBox

Cross-platform Virtualization Software

New in
4.2



ORACLE

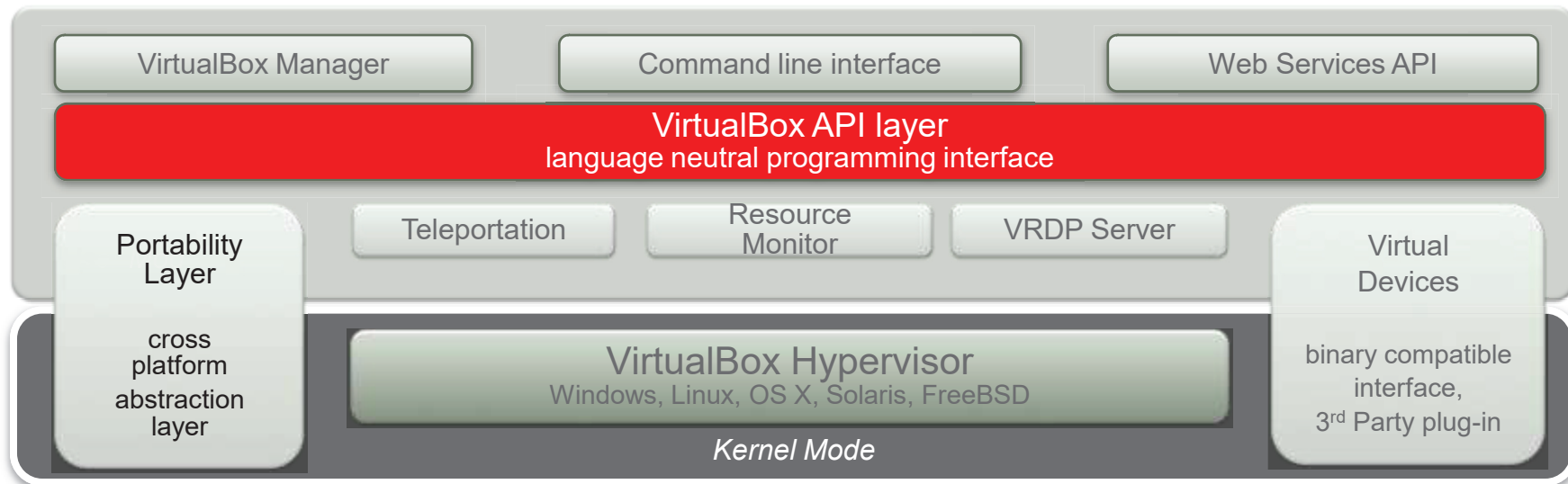
Performance

High Performance Virtual Hardware

- **Processor:** 1-32 vCPUs per guest; 32-bit and 64-bit guests; PAE support; with or without VT-x/AMD-V (EPT/Nested Paging, VPID supported)
- **RAM:** up to 1TB per guest
- **Storage:** SATA, SAS, SCSI or IDE controllers; >100 disks; integrated iSCSI initiator
- **Network:** up to 36 NICs per guest; Intel gigabit; virt-io; PCnet
- **Virtual USB Controller:** USB 1.1 and 2.0; pass-through and virtual devices
- **Audio:** Intel High Definition Audio
- **Full ACPI Support:** guests show real power status
- **Virtual CD/DVD:** pass-through for CD/DVD writing, multiple concurrent
- **Display Adaptor:** multi-monitor capable with graphics acceleration: OpenGL for Windows, Linux, Solaris Guests; Direct3D for Windows; 2D Video acceleration, built-in RDP Server



Architecture

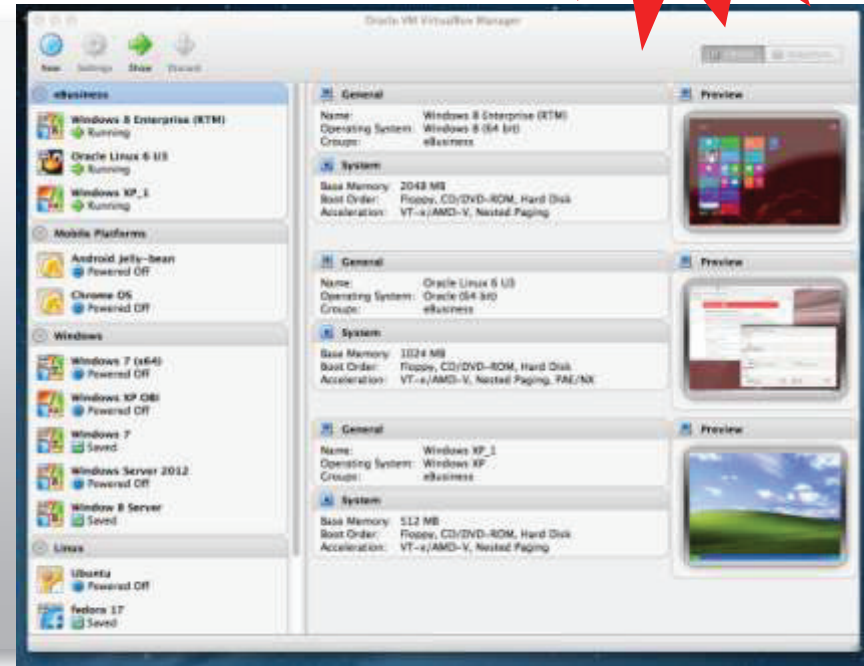


- Web Service interfaces
- COM/XPCOM interfaces
- Python interfaces and interactive shell
- Command line interface VBoxManage
- Pluggable Virtual Device architecture and APIs

Oracle VM VirtualBox Manager

New in
4.2

- Organize
 - VM groups to manage and control guests collectively
 - Nested groups
 - Enter/Leave group contexts
- Create
 - “Express” mode guest creation
 - New Guest types
- Start
 - Launch groups
 - Launch headless
- Stop
 - Stop vm or groups using Shutdown, Suspend, Poweroff



ORACLE

Host-Guest Interoperability

New in
4.2

- Shared clipboard
 - Controllable copy and paste
 - Backwards compatible
- Drag and Drop
 - Linux guests only (as yet)
- Extended Guest Control commands
 - Files commands Copy from/to, Create directory, Stat
 - Execution
 - Update Guest Additions



Hardware and Software

ORACLE®

Engineered to Work Together