

Oracle VirtualBox

Release Notes for Release 7.2



G17186-01
August 2025



Oracle VirtualBox Release Notes for Release 7.2,

G17186-01

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New Features for Release 7.2

The new features and changes in Oracle VirtualBox 7.2 are listed here.

For details of all changes, for each maintenance release, see [Change Log](#).

Windows on Arm

Windows on Arm Guests

This release adds the ability to install Windows 11 as a guest OS on a VM with a virtual Arm processor. Guest additions are available.

The Arm64 host can be running either macOS or Windows 11 (Experimental Feature).

Note

Arm VMs will not run on an x86_64 host.

See [Host and Guest Combinations](#).

Windows on Arm Hosts (Experimental Feature)

This release extends the Windows installation package for Oracle VirtualBox to include hosts running Windows 11 on an Arm64 processor, as an experimental feature.

Using Oracle VirtualBox on an Arm64 processor running Windows 11 is not covered by Oracle Premier Support. If you plan to use this feature, contact Oracle Sales with an indication of the number of hosts so that we can estimate demand for support of this feature.

The guest OS on VMs running on an Arm64 host can be Oracle Linux for Arm64 or Windows 11 for Arm64.

Note

x86_64 VMs will not run on an Arm64 host.

See [Host and Guest Combinations](#).

Arm Hosts

`vboxwebsrv` is now included in the installation packages.

Saved States and Snapshots of Arm VMs

We've improved the way that saved states and snapshots are stored. This makes them incompatible with previous versions of VirtualBox.

Note

The saved state of an Arm VM from VirtualBox 7.1 is **incompatible** with VirtualBox 7.2. To preserve a saved state for an Arm VM, first open it and then shut down the VM in the required state before upgrading to 7.2.

Snapshots of Arm VMs, with associated saved states, created with 7.1 will not work in 7.2.

Graphics Changes

We've made improvements to the display and integration of graphics on VirtualBox VMs.

- Video decoding acceleration is now available when 3D is enabled on Linux hosts.
- Added WDDM Graphics driver, for 2D mode only.

Networking Changes

NAT Network has been updated for consistency with NAT.

VirtualBox Manager Changes

We've made improvements to the VirtualBox Manager user interface in this release:

- The global tools are now available from a sidebar on the left hand side, making them easier to find.
The VM tools now appear, as appropriate, on tabs above the right hand pane. This makes them easier to find and use.
- A new Home screen aids navigation and improves access to common tasks in VirtualBox.
- The guided process to create a VM has been updated and improved.
- Shared Folders can now be made Global. This means they are shared with all VMs on a host. See [Shared Folders](#) for details.

VBoxManage Command Line Changes

The following `VBoxManage` command changes have been introduced:

- `VBoxManage sharedfolder` now has a `global` option to make a shared folder global, rather than shared with a named VM. This means it is shared with all VMs on a host. See [Shared Folders](#) for details.

Software Development Kit Changes

No significant changes to the SDK have been introduced in this release.

See the [SDK Programming Guide and Reference](#) for the latest SDK.

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Change Log

This section summarizes the changes between Oracle VirtualBox versions. Note that this change log is not exhaustive and not all changes are listed.

Oracle VirtualBox version numbers consist of three numbers separated by dots where the first and second number represent the major version and the third number the minor version. Minor version numbers of official releases are always even. An odd minor version number represents an internal development or test build. In addition, each build contains a revision number.

Version 7.2.0 (2025-08-14)

This is a major update. The following new features were added:

- GUI: Moved global and VM tools from hamburger menus to global tools taskbar (vertically on the left) and the VM tools tabs (horizontally above the right hand panel) to make them easier to reach
- Windows/Arm host: Arm virtualization of VMs added, in the unified Windows installer package
- Arm host: Virtualization of Windows 11/Arm VMs
- Linux host: Video decoding acceleration when 3D is enabled
- Windows/Arm guest: Guest additions for new OS type Windows 11/Arm
- macOS Arm host: Experimental 3D acceleration support using DXMT, removing the previous non working solution using DXVK on top of MoltenVK. 3D acceleration is not supported on macOS hosts using Intel CPUs anymore.
- Storage: The NVMe storage controller emulation is now part of the open source base package

In addition, the following items were fixed or added:

- Arm VMs: Note that the saved state of Arm VMs from VirtualBox 7.1 is **incompatible** with VirtualBox 7.2, so please shut down such VMs in saved state before upgrading to 7.2 (snapshots with associated saved state created with 7.1 will no longer work with 7.2)
- VMM: Improved x86_64 and Arm CPU feature reporting when using Windows Hyper-V as the virtualization engine
- VMM: Added xsave/xrestor instruction handling when using Windows/x86_64 Hyper-V as the virtualization engine, offering the x86_64-v3 instruction set extensions (including AVX and AVX2) on recent CPUs
- VMM: Fixed issue when X86_64-v3 features were not passed to the guest (github:gh-36)
- VMM/HM: Fixed Nested Virtualization feature on Intel CPUs
- GUI: Fixed a bug in clone VM wizard which made impossible to include snapshots in clone result (github:GH-59)
- GUI: Polished Preferences and Settings pages, NLS fixing
- GUI: Improved handling of keyboard LEDs in the Soft Keyboard

- GUI: Added checkbox for making a Shared Folder global to all VMs
- GUI: Removed IO-APIC from Arm VM settings
- Graphics: Avoid assertion when guest tries to use VMSVGA 3D functions when the feature is disabled
- Audio: Fixed crash in rare circumstances (github:gh-72)
- NAT: Multiple fixes and improvements, for example better DNS server handling, saving of the VM settings and generating a boot file name which stays within the length limit
- NAT Network: Use the (almost) same code as for NAT, unifying behavior and features
- NAT: Fixed possible crash in rare circumstances when no nameservers could be detected in the host system
- Storage: Fixed corruption of VMDK images when resizing
- Video Recording: Fixed frame synchronization, a small memory leak and other bugs
- TPM: Fixed save state load failures
- Arm VMs: ACPI now available
- API/Unattended: Added explicit unattended installation support for Oracle Linux 10
- API and VBoxManage: Added functionality to define global Shared Folders for all VMs
- API: Fixed issue when OVF/OVA import resulted in a broken VM on Arm (bug #22370)
- API: Fixed issue when exporting a VM which had an inaccessible disk resulted in crash
- VBoxManage: Document currently unavailable NAT options
- Linux host and guest: Initial support for kernel version 6.16
- Linux/Solaris host: Fixed swapped scan code for Pause and Num Lock keys in the table used when relying on Xkb for translation
- Windows host: Removed release assertion causing crash of VBoxUsbMon driver if unloading fails
- Arm host: vboxwebsrv is now included in the packages
- Linux host and guest: Introduced initial support for kernel 6.17
- Linux guest: Fixed handling of (long optional) vboxvideo kernel module in init script
- Linux guest: Fixed start failure of VBoxClient with kernel from the 2.6 series or older
- Windows/Arm guest: Added WDDM Graphics driver, with 2D and 3D mode
- Windows/Arm guest: Added Shared Folder feature
- Windows Host: Added improvements in Windows drivers installation
- Linux Guest Additions: Fixed issue when autorun installer was not automatically starting on Additions ISO image insert for Oracle Linux 10 and RHEL 10 guests
- BIOS: Fixed keyboard translation, added and updated several entries and do not report keypresses when scan code and ASCII code are both zero
- BIOS: Fixed error reporting for single sided floppy disks
- UEFI: Added workaround for Grub bug causing guest OS crashes
- UEFI: Fixed macOS kernel logging over serial port (github:gh-82)
- 3rd Party Tools: Eliminated build time dependency on libIDL and IASL

Change Logs for Legacy Versions

To view the change log for a legacy version of VirtualBox, see the documentation for the relevant Oracle VirtualBox release.

Change logs are also available at:

<https://www.virtualbox.org/wiki/Changelog>.