


[About](#)
[Screenshots](#)
[Downloads](#)
[Documentation](#)
[End-user docs](#)
[Technical docs](#)
[Contribute](#)
[Community](#)

VirtualBox

Download VirtualBox for Linux Hosts

Note: The package architecture has to match the Linux kernel architecture, that is, if you are running a 64-bit kernel, install the appropriate AMD64 package (it does not matter if you have an Intel or an AMD CPU). Mixed installations (e.g. Debian/Lenny ships an AMD64 kernel with 32-bit packages) are not supported. To install VirtualBox anyway you need to setup a 64-bit chroot environment.

The VirtualBox base package binaries are released under the terms of the [GPL version 2](#).

Please choose the appropriate package for your Linux distribution.

VirtualBox 6.0.6 for Linux

- [Ubuntu 18.04 / 18.10 / 19.04 / Debian 10](#)
- [Ubuntu 16.04](#)
- [Ubuntu 14.04 / 14.10 / 15.04](#)
- [Debian 9](#)
- [Debian 8](#)
- [openSUSE 15.0](#)
- [openSUSE 13.2 / Leap 42](#)
- [Fedora 29](#)
- [Fedora 26 / 27 / 28](#)
- [Oracle Linux 7 / Red Hat Enterprise Linux 7 / CentOS 7](#)
- [Oracle Linux 6 / Red Hat Enterprise Linux 6 / CentOS 6](#)
- [All distributions](#) (built on EL6 and therefore not requiring recent system libraries)

You might want to compare the checksums to verify the integrity of downloaded packages. *The SHA256 checksums should be favored as the MD5 algorithm must be treated as insecure!*

- [SHA256 checksums](#), [MD5 checksums](#)

Oracle Linux

Users of Oracle Linux 6 and 7 can use the Oracle Linux yum [repository](#) and enable the [ol6_developer](#) channel for Oracle Linux 6 or the [ol7_developer](#) channel for Oracle Linux 7. After that, do

```
yum install VirtualBox-6.0
```

to get the latest maintenance release of VirtualBox 6.0.x installed.

Debian-based Linux distributions

Add the following line to your `/etc/apt/sources.list`. According to your distribution, replace `<mydist>` with `'artful'`, `'zesty'`, `'yakkety'`, `'xenial'`, `'trusty'`, `'stretch'`, `'jessie'`, or `'wheezy'` (older versions of VirtualBox supported different distributions):

```
deb https://download.virtualbox.org/virtualbox/debian <mydist>
```

The Oracle public key for apt-secure can be downloaded

- [here](#) for **Debian 8** ("Jessie") / **Ubuntu 16.04** ("Xenial") and later
- [here](#) for older distributions.

You can add these keys with

```
sudo apt-key add oracle_vbox_2016.asc
sudo apt-key add oracle_vbox.asc
```

or combine downloading and registering:

```
wget -q https://www.virtualbox.org/download/oracle_vbox_2016.as
wget -q https://www.virtualbox.org/download/oracle_vbox.asc -O-
```

The key fingerprint for oracle_vbox_2016.asc is

```
B9F8 D658 297A F3EF C18D 5CDF A2F6 83C5 2980 AECF
Oracle Corporation (VirtualBox archive signing key) <info@virtu
```

The key fingerprint for oracle_vbox.asc is

```
7B0F AB3A 13B9 0743 5925 D9C9 5442 2A4B 98AB 5139
Oracle Corporation (VirtualBox archive signing key) <info@virtu
```

(As of VirtualBox 3.2, the signing key was changed. The old Sun public key for apt-secure can be downloaded [here](#).)

To install VirtualBox, do

```
sudo apt-get update
sudo apt-get install virtualbox-6.0
```

Replace virtualbox-6.0 by virtualbox-5.2 to install the latest VirtualBox 5.2 build.

What to do when experiencing **The following signatures were invalid: BADSIG ...** when refreshing the packages from the repository?

```
# sudo -s -H
# apt-get clean
# rm /var/lib/apt/lists/*
# rm /var/lib/apt/lists/partial/*
# apt-get clean
# apt-get update
```

RPM-based Linux distributions

We provide a yum/dnf-style repository for Oracle Linux/Fedora/RHEL/openSUSE. All .rpm packages are signed. The Oracle public key for rpm can be downloaded [here](#). You can add this key (*not normally necessary, see below!*) with

```
sudo rpm --import oracle_vbox.asc
```

or combine downloading and registering:

```
wget -q https://www.virtualbox.org/download/oracle_vbox.asc -O-
```

The key fingerprint is

```
7B0F AB3A 13B9 0743 5925 D9C9 5442 2A4B 98AB 5139  
Oracle Corporation (VirtualBox archive signing key) <info@virtu
```

After importing the public key, the package signature can be checked with

```
rpm --checksig PACKAGE_NAME
```

Note that importing the key is not necessary for yum users (Oracle Linux/Fedora/RHEL/CentOS) when using one of the virtualbox.repo files from below as yum downloads and imports the public key automatically! Zypper users should run

```
zypper refresh
```

The package signature is checked by yum/dnf/zypper as well:

- Users of **Oracle Linux** / **RHEL** can add [the Oracle Linux repo file](#) to `/etc/yum.repos.d/`.
- Users of **Fedora** can add [the Fedora repo file](#) to `/etc/yum.repos.d/`.
- Users of **openSUSE** can add [the openSUSE repo file](#) to `/etc/zypp/repos.d/`.



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