



# ORACLE VIRTUALBOX

## Lesson 3

## Virtualization with VirtualBox

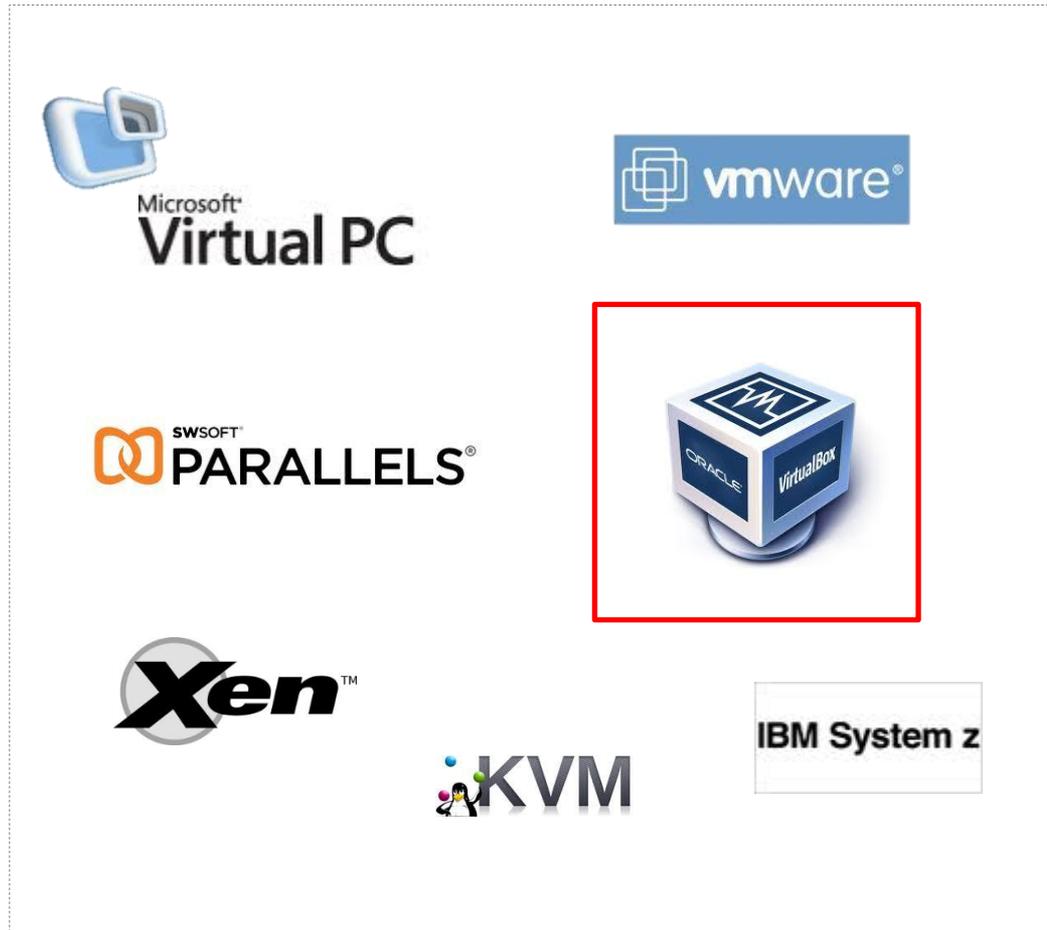


- Introduction of what virtualization is.
- To introduce an example of virtualization solution.
- Test theoretical concepts.

- Install VirtualBox 5.1.6
  - ▣ Introduction
  - ▣ Steps to install VirtualBox in Windows Host

- **Install VirtualBox 5.1.6**
  - ▣ **Introduction**
  - ▣ **Steps to install VirtualBox in Windows Host**





- **Multiplatform:**
  - Linux, Windows y MacOS
- Near every type of functionality
- There are a free software version
- Free (by now)



- Version: 5.1.6
- Architecture: x86
- Operating system: Windows
- URL:
  - <http://download.virtualbox.org/>



- **Install VirtualBox 5.1.6**
  - ▣ Introduction
  - ▣ **Steps to install VirtualBox in Windows Host**



VirtualBox.org

# VirtualBox

search...  
Login Preferences

## Welcome to VirtualBox.org!

VirtualBox is a powerful x86 and AMD64/Intel64 [virtualization](#) product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 2. See "[About VirtualBox](#)" for an introduction.

Presently, VirtualBox runs on Windows, Linux, Macintosh, and Solaris hosts and supports a large number of [guest operating systems](#) including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.

# Download VirtualBox 5.1

**News Flash**

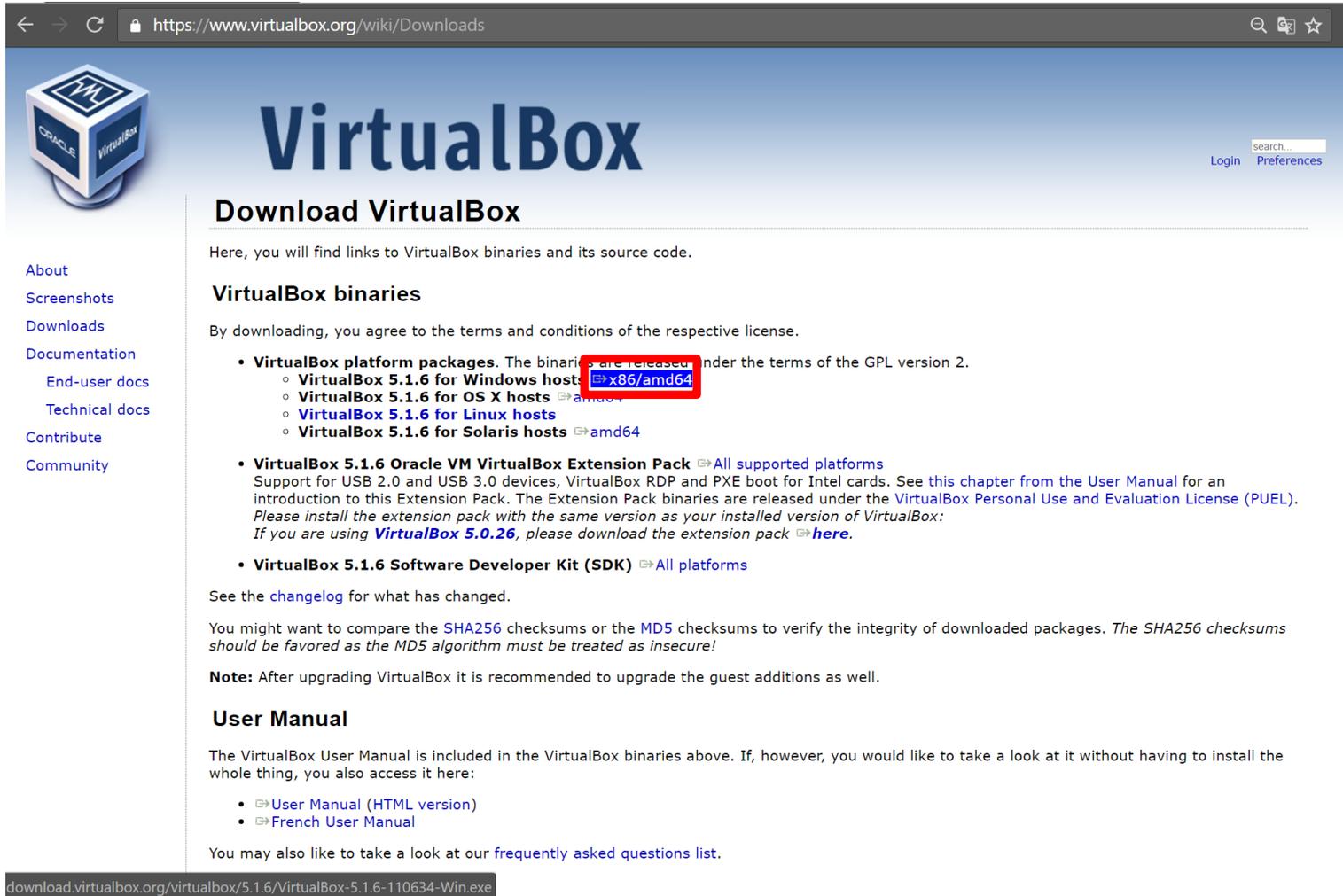
- New September 12th, 2016 VirtualBox 5.1.6 released!**  
Oracle today released a 5.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- New July 18th, 2016 VirtualBox 5.0.26 released!**  
Oracle today released a 5.0 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- New July 12th, 2016 VirtualBox 5.1 released!**  
Many enhancements and improvements. Read more in the [announcement](#).

[More information...](#)

**Hot picks:**

- Pre-built virtual machines for developers at [Oracle Tech Network](#)
- Hyperbox** Open-source Virtual Infrastructure Manager [project site](#)
- phpVirtualBox** AJAX web interface [project site](#)
- IQEmu** automated Windows VM creation, application integration <http://mirage335-site.member.hacdc.org:6380/wiki/Category:IQEmu>

**ORACLE**  
Contact - Privacy policy - Terms of Use



The screenshot shows the VirtualBox website's download page. The browser address bar displays `https://www.virtualbox.org/wiki/Downloads`. The page features the VirtualBox logo and a navigation menu on the left with links for About, Screenshots, Downloads, Documentation, End-user docs, Technical docs, Contribute, and Community. The main content area is titled "Download VirtualBox" and contains the following text:

Here, you will find links to VirtualBox binaries and its source code.

### VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
  - **VirtualBox 5.1.6 for Windows hosts** [x86/amd64](#)
  - **VirtualBox 5.1.6 for OS X hosts** [amd64](#)
  - **VirtualBox 5.1.6 for Linux hosts**
  - **VirtualBox 5.1.6 for Solaris hosts** [amd64](#)
- **VirtualBox 5.1.6 Oracle VM VirtualBox Extension Pack** [All supported platforms](#)  
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#). Please install the extension pack with the same version as your installed version of VirtualBox: If you are using **VirtualBox 5.0.26**, please download the extension pack [here](#).
- **VirtualBox 5.1.6 Software Developer Kit (SDK)** [All platforms](#)

See the [changelog](#) for what has changed.

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

**Note:** After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

### User Manual

The VirtualBox User Manual is included in the VirtualBox binaries above. If, however, you would like to take a look at it without having to install the whole thing, you also access it here:

- [User Manual \(HTML version\)](#)
- [French User Manual](#)

You may also like to take a look at our [frequently asked questions list](#).

download.virtualbox.org/virtualbox/5.1.6/VirtualBox-5.1.6-110634-Win.exe



The screenshot shows the VirtualBox website's download page. The browser address bar displays `https://www.virtualbox.org/wiki/Downloads`. The page features the VirtualBox logo on the left and a navigation menu with links for About, Screenshots, Downloads, Documentation, End-user docs, Technical docs, Contribute, and Community. The main content area is titled "Download VirtualBox" and includes a search bar, Login, and Preferences links. The text explains that users will find links to binaries and source code. A section titled "VirtualBox binaries" states that downloading implies agreement to terms and conditions. It lists several download options: VirtualBox platform packages for Windows, OS X, Linux, and Solaris; the Oracle VM VirtualBox Extension Pack (with "All supported platforms" highlighted in a red box); and the Software Developer Kit (SDK) for all platforms. A note advises upgrading guest additions after upgrading VirtualBox. A "User Manual" section provides links to the HTML and French versions. A footer link points to frequently asked questions. At the bottom, a code block shows the download URL for the extension pack: `download.virtualbox.org/virtualbox/5.1.6/Oracle_VM_VirtualBox_Extension_Pack-5.1.6-110634.vbox-extpack`.



← → ↻ <https://www.virtualbox.org/wiki/Downloads> 🔍 📄 ☆

# VirtualBox

search...  
Login Preferences

## Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

### VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
  - **VirtualBox 5.1.6 for Windows hosts** ⇨ [x86/amd64](#)
  - **VirtualBox 5.1.6 for OS X hosts** ⇨ [amd64](#)
  - **VirtualBox 5.1.6 for Linux hosts**
  - **VirtualBox 5.1.6 for Solaris hosts** ⇨ [amd64](#)
- **VirtualBox 5.1.6 Oracle VM VirtualBox Extension Pack** ⇨ [All supported platforms](#)  
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#). Please install the extension pack with the same version as your installed version of VirtualBox: If you are using **VirtualBox 5.0.26**, please download the extension pack ⇨ [here](#).
- **VirtualBox 5.1.6 Software Developer Kit (SDK)** ⇨ [All platforms](#)

See the [changelog](#) for what has changed.

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

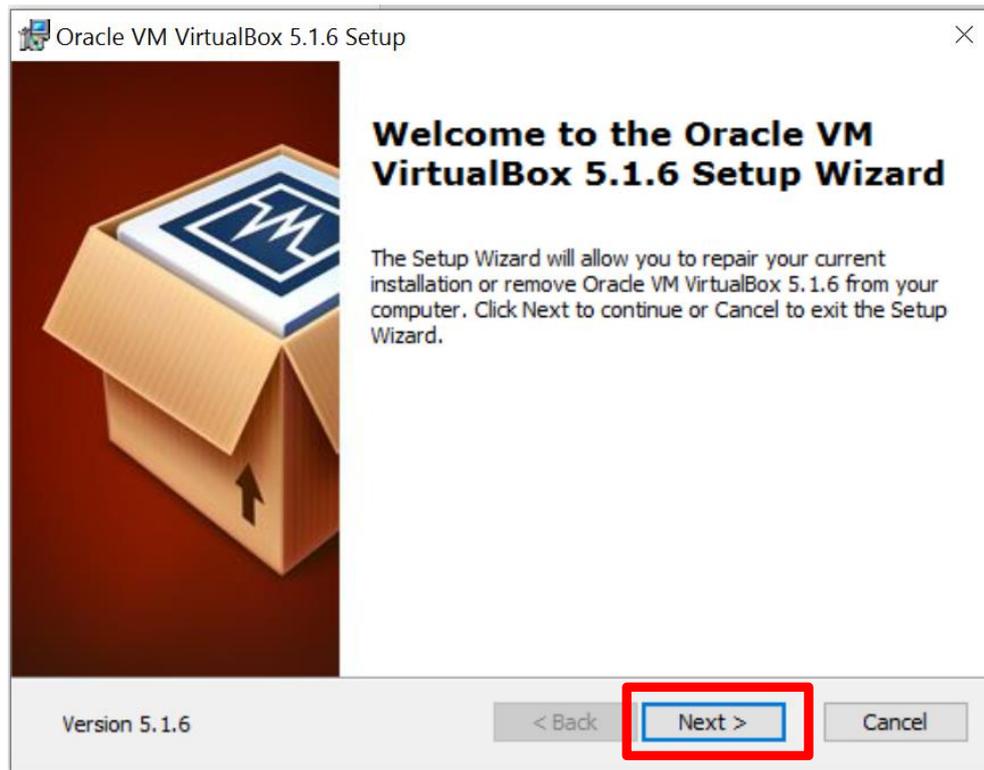
**Note:** After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

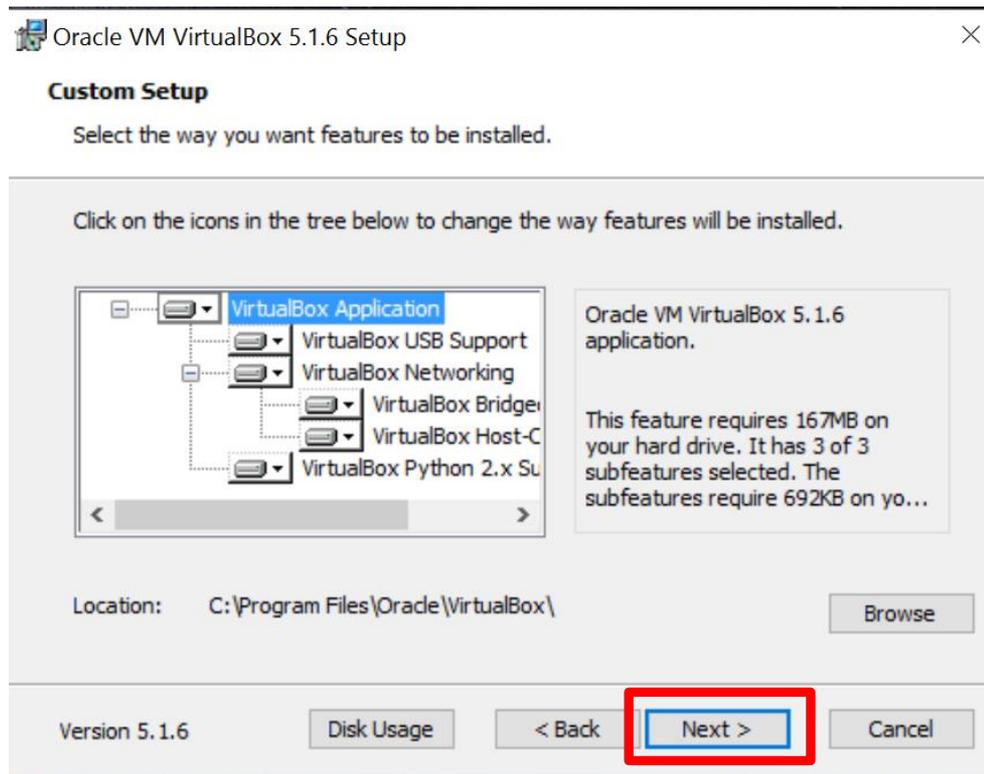
### User Manual

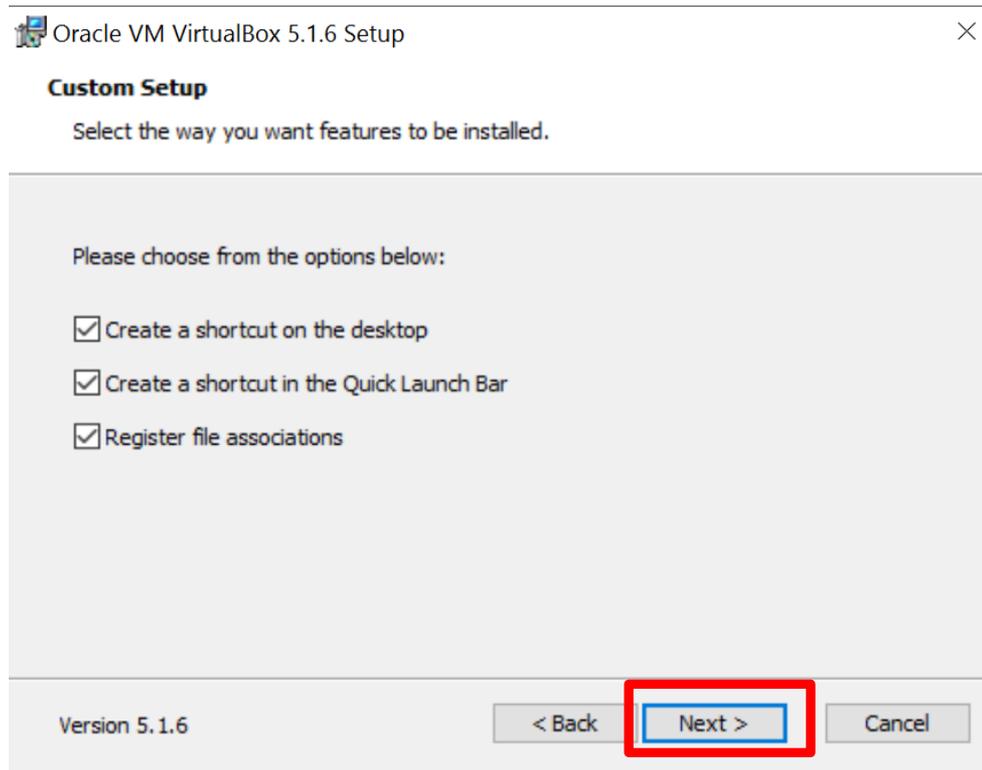
The VirtualBox User Manual is included in the VirtualBox binaries above. If, however, you would like to take a look at it without having to install the whole thing, you also access it here:

- ⇨ [User Manual \(HTML version\)](#)
- ⇨ [French User Manual](#)

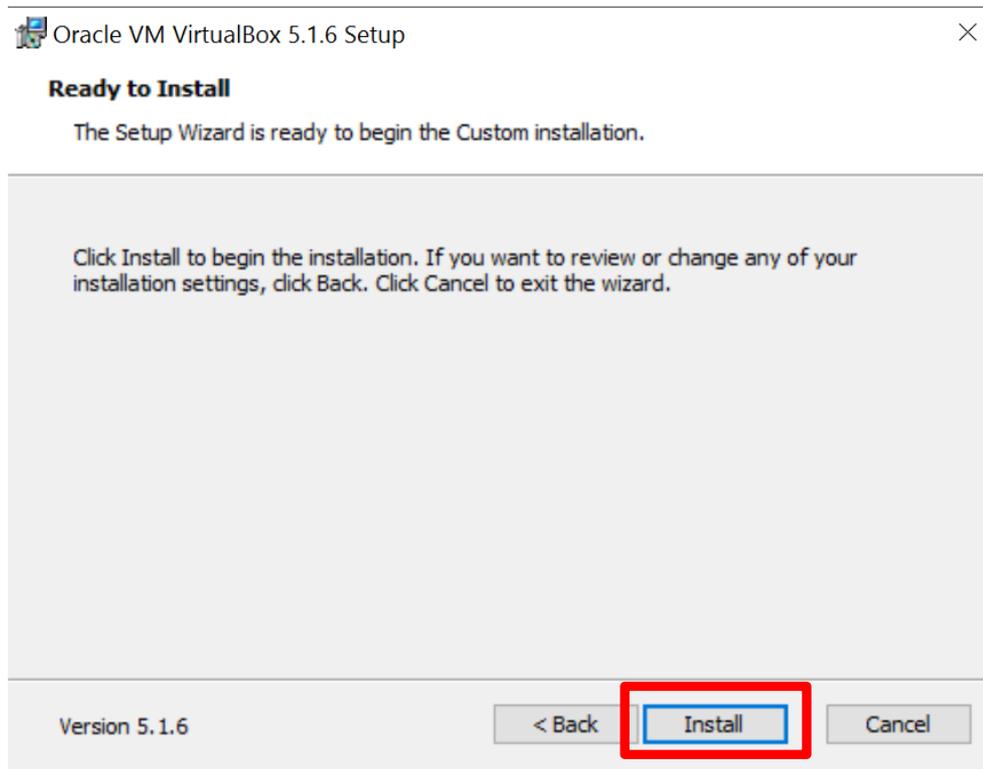
Oracle\_V...vbox-extpack ^ VirtualBox-5.1.6-110634-Win.exe ^ Mostrar todo X

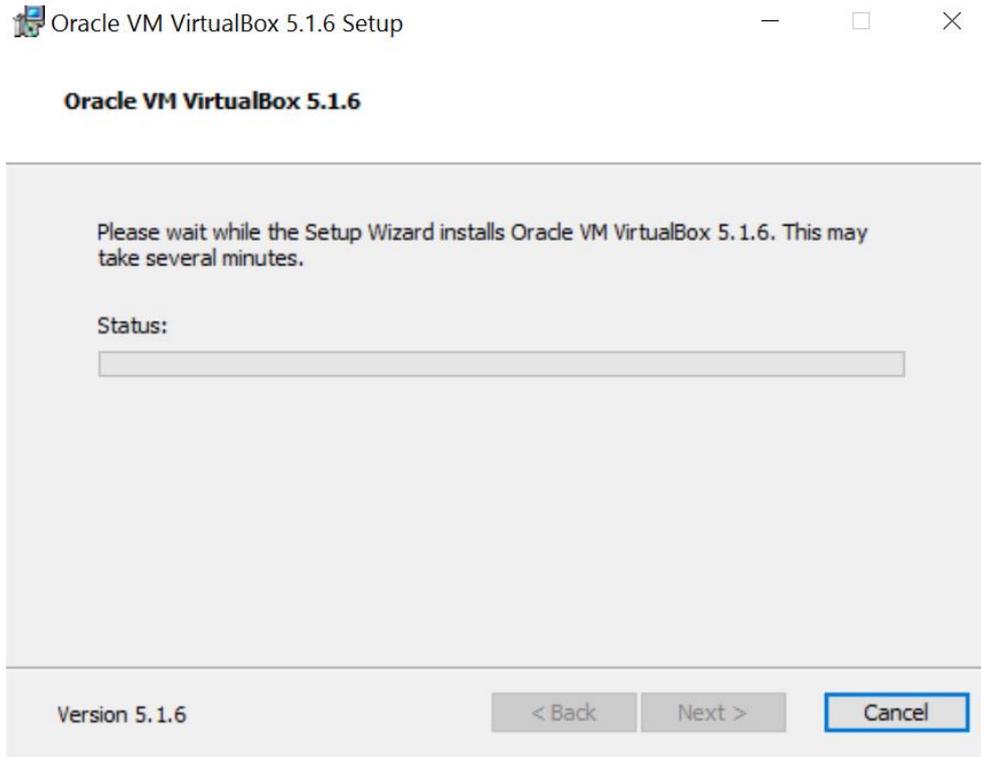


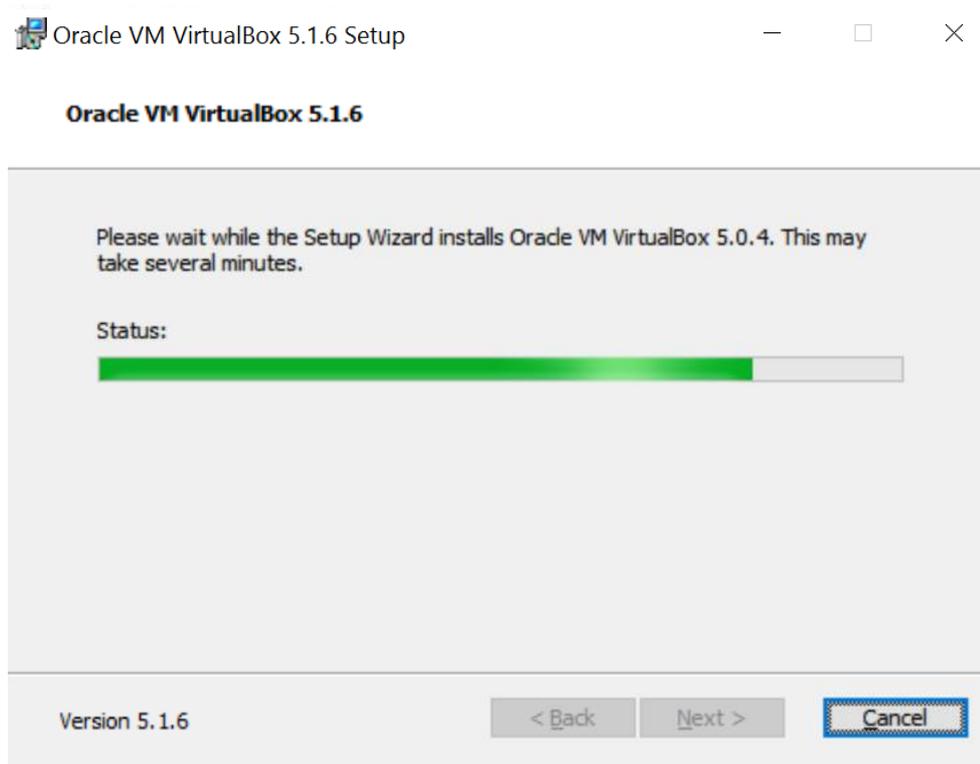
















← → ↻ <https://www.virtualbox.org/wiki/Downloads> 🔍 📄 ☆ ⋮

# VirtualBox

search...  
Login Preferences

## Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

### VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
  - **VirtualBox 5.1.6 for Windows hosts** ⇨ [x86/amd64](#)
  - **VirtualBox 5.1.6 for OS X hosts** ⇨ [amd64](#)
  - **VirtualBox 5.1.6 for Linux hosts**
  - **VirtualBox 5.1.6 for Solaris hosts** ⇨ [amd64](#)
- **VirtualBox 5.1.6 Oracle VM VirtualBox Extension Pack** ⇨ [All supported platforms](#)  
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#). Please install the extension pack with the same version as your installed version of VirtualBox: If you are using **VirtualBox 5.0.26**, please download the extension pack ⇨ [here](#).
- **VirtualBox 5.1.6 Software Developer Kit (SDK)** ⇨ [All platforms](#)

See the [changelog](#) for what has changed.

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

**Note:** After upgrading VirtualBox it is recommended to upgrade the guest additions as well.

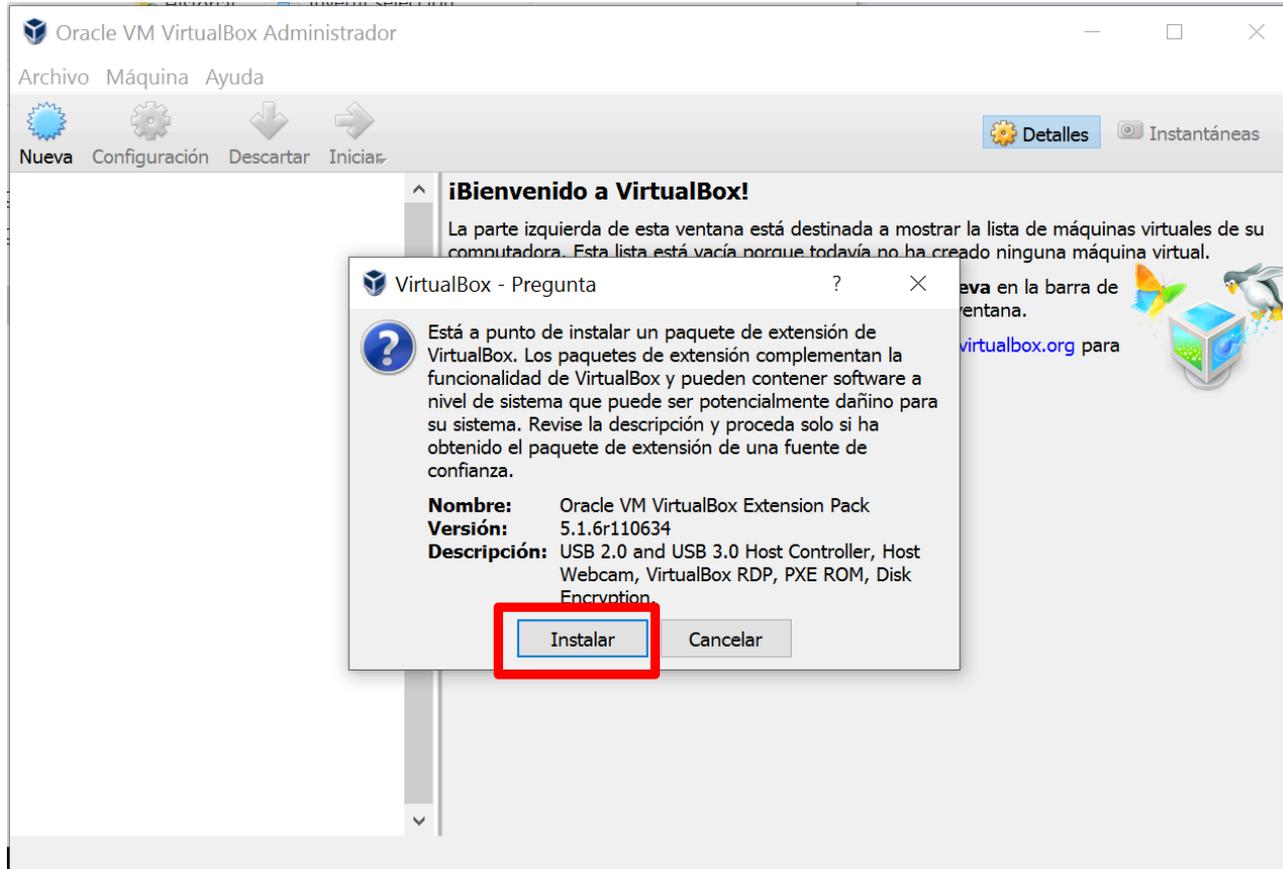
### User Manual

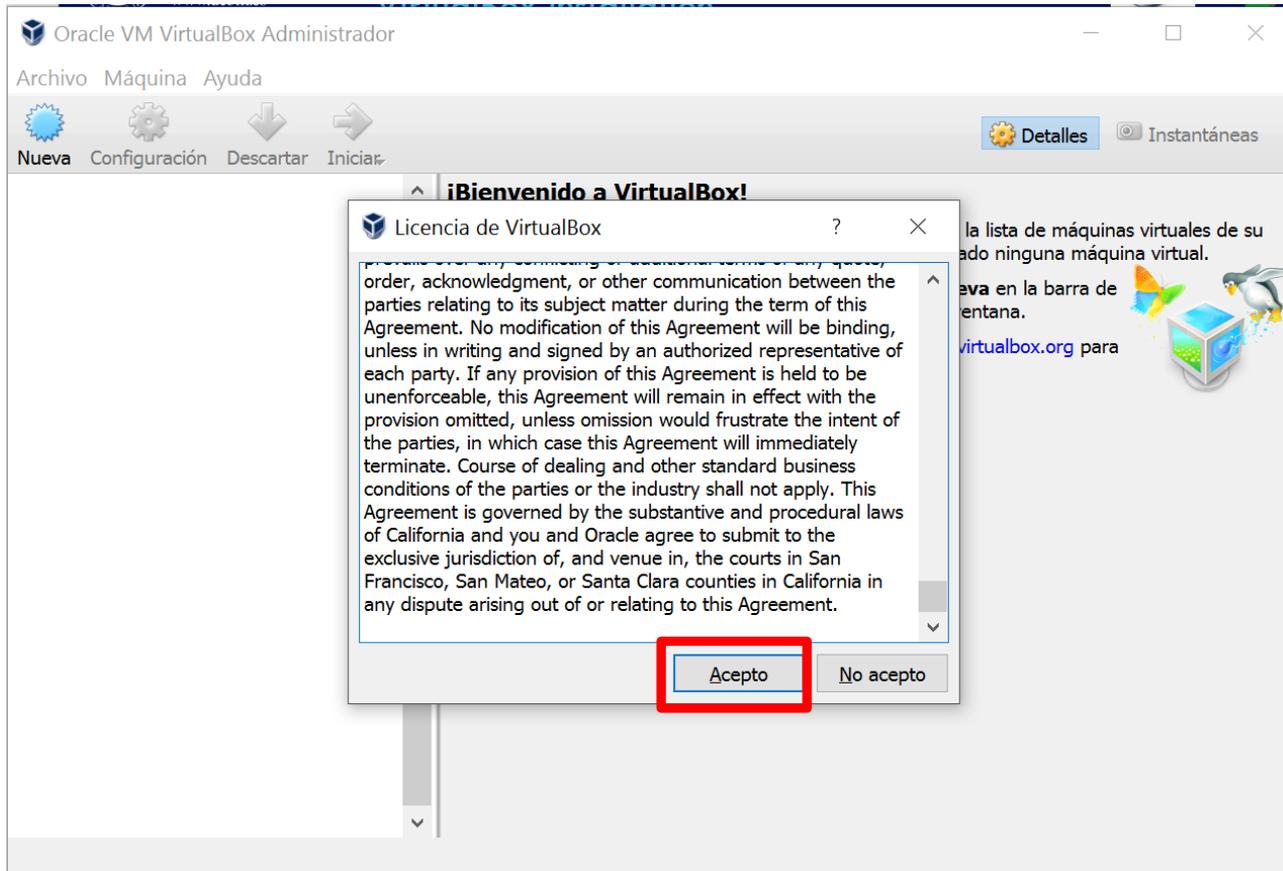
The VirtualBox User Manual is included in the VirtualBox binaries above. If, however, you would like to take a look at it without having to install the whole thing, you also access it here:

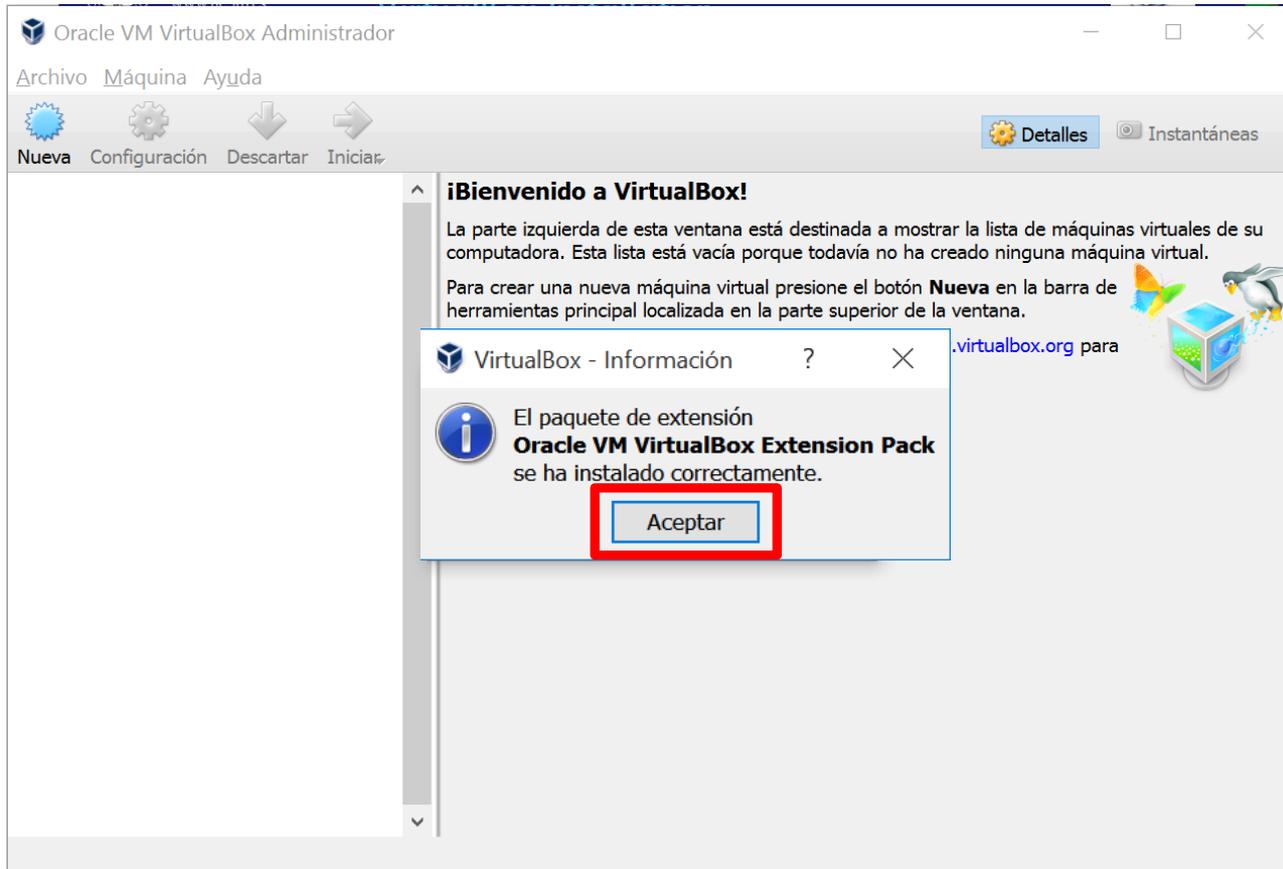
- ⇨ [User Manual \(HTML version\)](#)
- ⇨ [French User Manual](#)

Oracle\_V...vbox-extpack ^ VirtualBox-5.1.6-1...exe ^  
VirtualBox-5.1.6-110634-Win.exe

Mostrar todo X









# ORACLE VIRTUALBOX

## Lesson 3

## Virtualization with VirtualBox

