

# Instrucciones Virtual Box

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# VirtualBox

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## 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 3. See "[About VirtualBox](#)" for an introduction.

Presently, VirtualBox runs on Windows, Linux, macOS, 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, 7, 8, Windows 10 and Windows 11), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x, 4.x, 5.x and 6.x), Solaris and OpenSolaris, OS/2, OpenBSD, NetBSD and FreeBSD.

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 7.0**

### 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](#)

### News Flash

▪ **New October 17th, 2023 VirtualBox 7.0.12 released!**

Oracle today released a 7.0 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.

▪ **New October 17th, 2023 VirtualBox 6.1.48 released!**

Oracle today released a 6.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.

▪ **New July 18th, 2023 VirtualBox 7.0.10 released!**

Oracle today released a 7.0 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.

▪ **New July 18th, 2023 VirtualBox 6.1.46 released!**

Oracle today released a 6.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.

▪ **New April 18th, 2023 VirtualBox 7.0.8 released!**

Oracle today released a 7.0 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.

▪ **New April 18th, 2023**

Os recomendamos la **versión 7.0.12**. Elegid **vuestro OS** y descargad el instalador



# VirtualBox

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Instalador [Windows](#)

## 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.

If you're looking for the latest VirtualBox 6.1 packages, see [VirtualBox 6.1 builds](#). Version 6.1 will remain supported until December 2023.

### VirtualBox 7.0.12 platform packages

- [Windows hosts](#)
- [macOS / Intel hosts](#)
- [Linux distributions](#)
- [Solaris hosts](#)
- [Solaris 11 IPS hosts](#)

The binaries are released under the terms of the GPL version 3.

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

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](#)

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

### VirtualBox 7.0.12 Oracle VM VirtualBox Extension Pack

- [All supported platforms](#)

Support VirtualBox RDP, disk encryption, NVMe 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 same version extension pack as your installed version of VirtualBox.

### VirtualBox 7.0.12 Software Developer Kit (SDK)

- [All platforms](#)

### User Manual

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

En caso de usar **MAC**, tenéis que ver que procesador tenéis:

- [Intel](#).
- Arquitecturas [ARM](#).

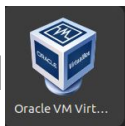
Para **linux**, elegid vuestra distribución (ubuntu, fedora...) de esta [página](#).

**Seguid las  
instrucciones  
del instalador**

La máquina virtual podéis **descargarla** desde este [enlace](#). Comprimida pesa unos 4.3 GB. Una vez descargado, **descomprimimos** el archivo **zip**



**Abrimos** la máquina virtual



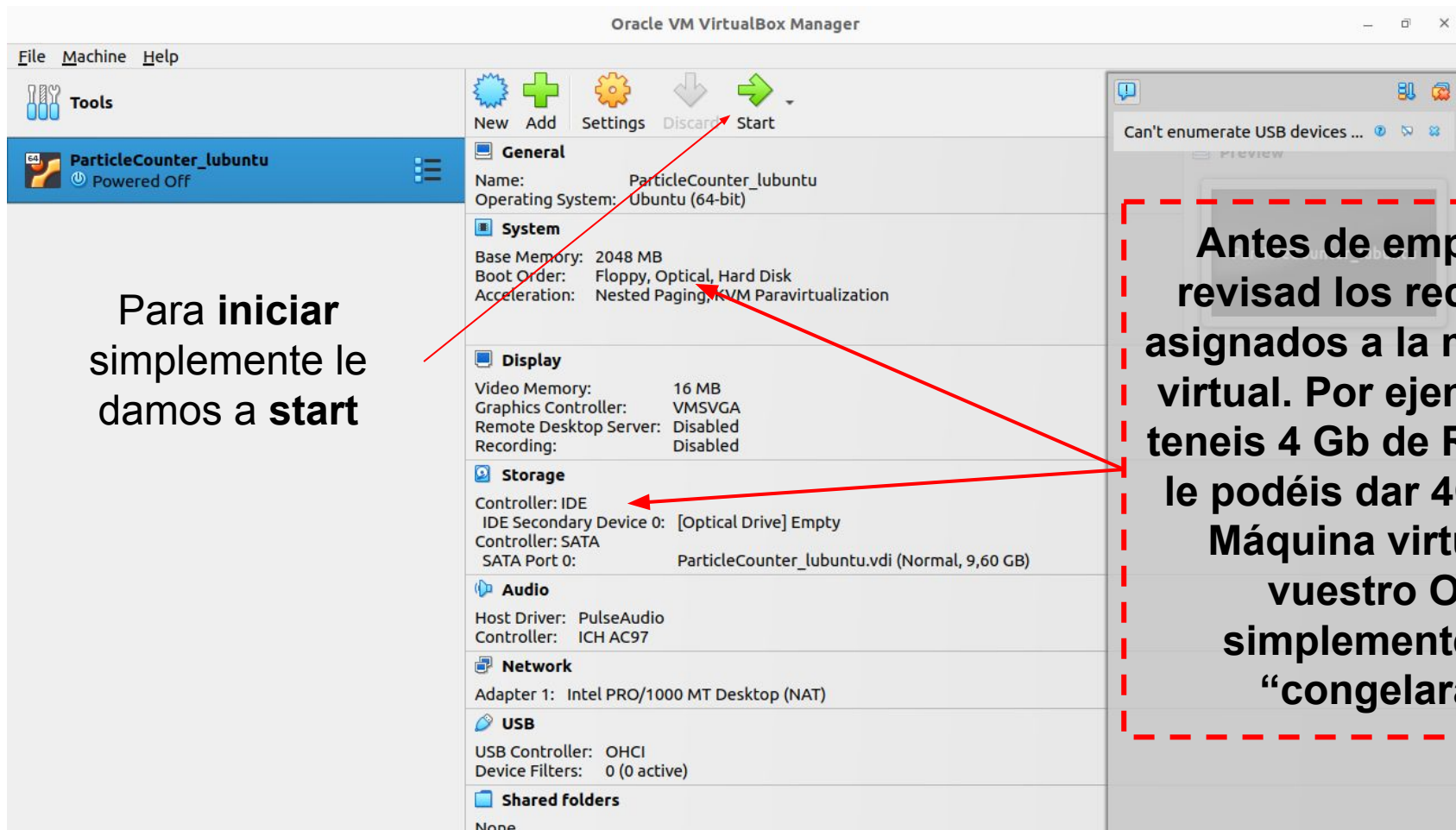
Para añadir la máquina virtual, hacemos uso de la función **Add** en la interfaz de VirtualBox



**Seleccionamos** este archivo

Logs			mar	09:42
Snapshots			11 feb 2021	17:19
ParticleCounter_lubuntu.vbox	5,0 kB	VirtualBox Machine Definition	mar	10:06
ParticleCounter_lubuntu-1.17-linux.vbox	4,8 kB	VirtualBox Machine Definition	18 ene 2022	14:34

En este punto ya tenemos la máquina virtual **importada** y podemos empezar a usarla.



Para iniciar simplemente le damos a **start**

**Antes de empezar, revisad los recursos asignados a la máquina virtual. Por ejemplo, si teneis 4 Gb de RAM, no le podéis dar 4Gb a la Máquina virtual o vuestro OS simplemente se “congelará”**

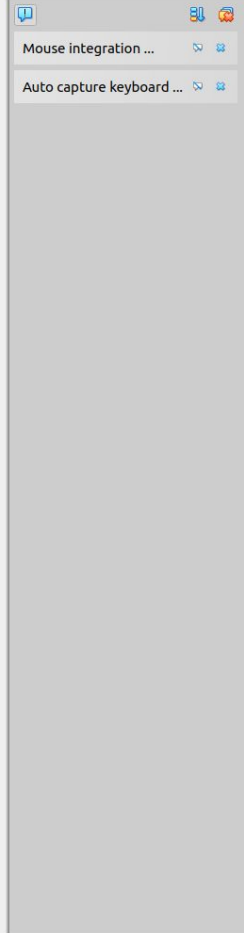
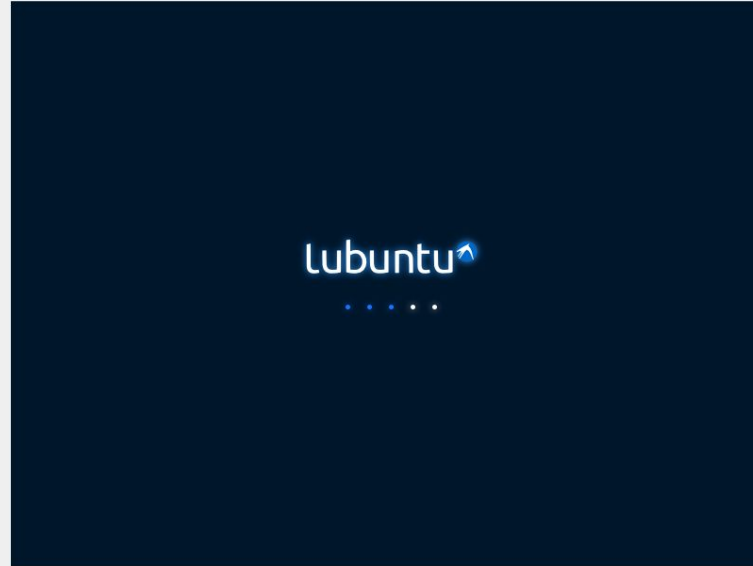
# Atención!

En linux, en caso de que al intentar iniciar la máquina virtual y obtener el siguiente error:  
“VirtualBox can't operate in VMX root mode. Please disable the KVM kernel extension, recompile your kernel and reboot (VERR\_VMX\_IN\_VMX\_ROOT\_MODE).”

Debéis de hacer lo siguiente dependiendo del procesador que tengáis (intel/amd):

- En caso de tener procesador intel. Abrid la consola y ejecutad:  
**sudo modprobe -r kvm\_intel**
- En caso de tener procesador amd. Abrid la consola y ejecutad:  
**sudo modprobe -r kvm\_amd**

Los settings de **visualización** los tenéis  
aquí







Trash



master2024

# Carpeta de GEANT4

## Terminal

# Particle Counter

**VirtualBox Guest Additions update a**  
Your guest is currently running the Guest  
recommend updating to the latest versi  
install option from the Devices menu.

Mouse integration ...

Auto capture keyboard ...  





Trash



master2024



Mouse integration ...

Auto capture keyboard ...

# Particle Counter

Enjoy!

```
user@ParticleCounter: ~/Desktop/master2024
File Edit Tabs Help
user@ParticleCounter:~$ cd Desktop/master2024/
user@ParticleCounter:~/Desktop/master2024$ ls
CMakeLists.txt  data  include  main.cc  source.mac  src  vis.mac
user@ParticleCounter:~/Desktop/master2024$
```



Trash



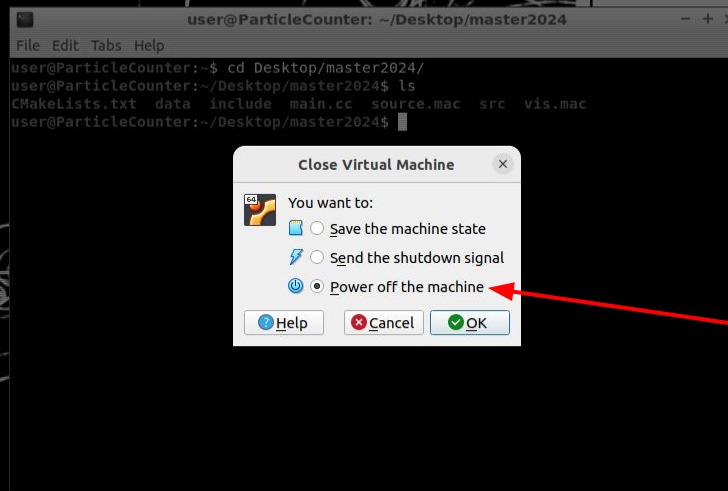
master2024



Mouse integration ...

Auto capture keyboard ...

# Particle unter



**Para apagar usamos esta opción. Los cambios (trabajo que hagáis) se quedarán guardados.**