

Instrucciones Virtual Box

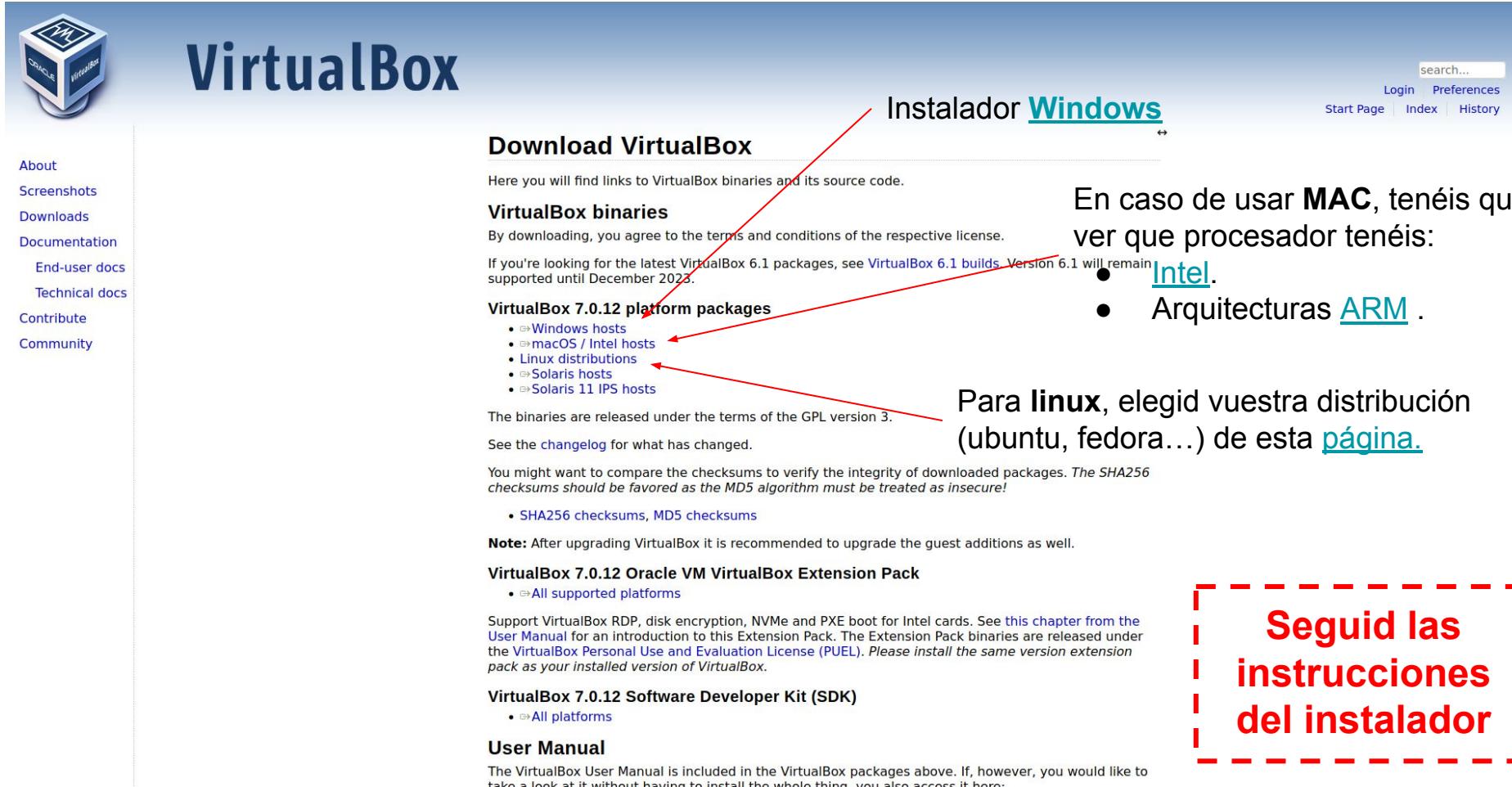
Acceded a la página de [virtualbox](#) e id a la página de [descargas](#):

The screenshot shows the official website for Oracle VM VirtualBox. At the top left is the Oracle logo. The main navigation menu includes links for About, Screenshots, **Downloads** (circled in red with an arrow pointing to it), Documentation, End-user docs, Technical docs, Contribute, and Community. The main content area features a large banner with the text "Welcome to VirtualBox.org!" and "Download VirtualBox 7.0". Below this is a "Hot picks:" section with links to Oracle Tech Network, Hyperbox, and phpVirtualBox. To the right is a "News Flash" box containing a list of recent releases:

- 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** [VirtualBox 6.1.42 released!](#)
Oracle today released a 6.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.

At the top right of the page are links for search, Login, Preferences, Start Page, Index, and History.

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



The screenshot shows the VirtualBox website's download section. A red arrow points from the text "Instalador Windows" to the "VirtualBox binaries" section. Another red arrow points from the text "En caso de usar MAC, tenéis que ver que procesador tenéis:" to the "macOS / Intel hosts" link in the "VirtualBox 7.0.12 platform packages" list. A third red arrow points from the text "Para linux, elegid vuestra distribución (ubuntu, fedora...) de esta página." to the "Linux distributions" link in the same list.

VirtualBox

search...
Login Preferences
Start Page | Index | History

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 **Intel**.

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](#).

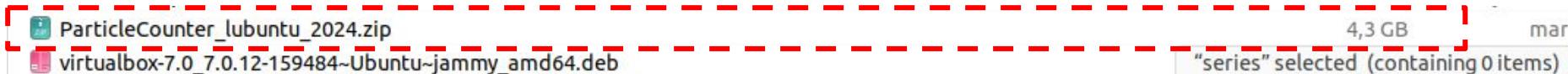
En caso de usar **MAC, tenéis que ver que procesador tenéis:**

- **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



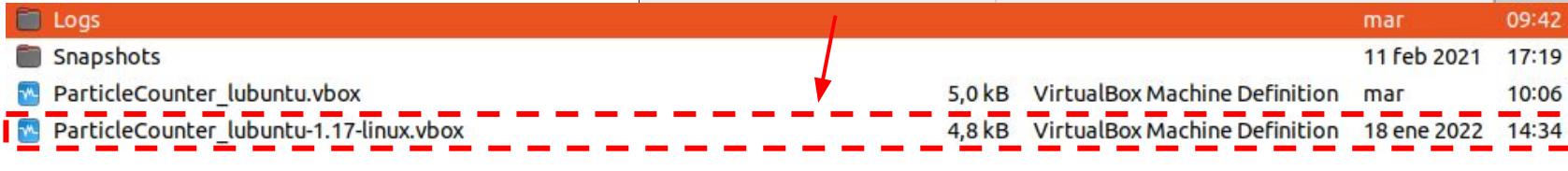
Abrimos la máquina virtual



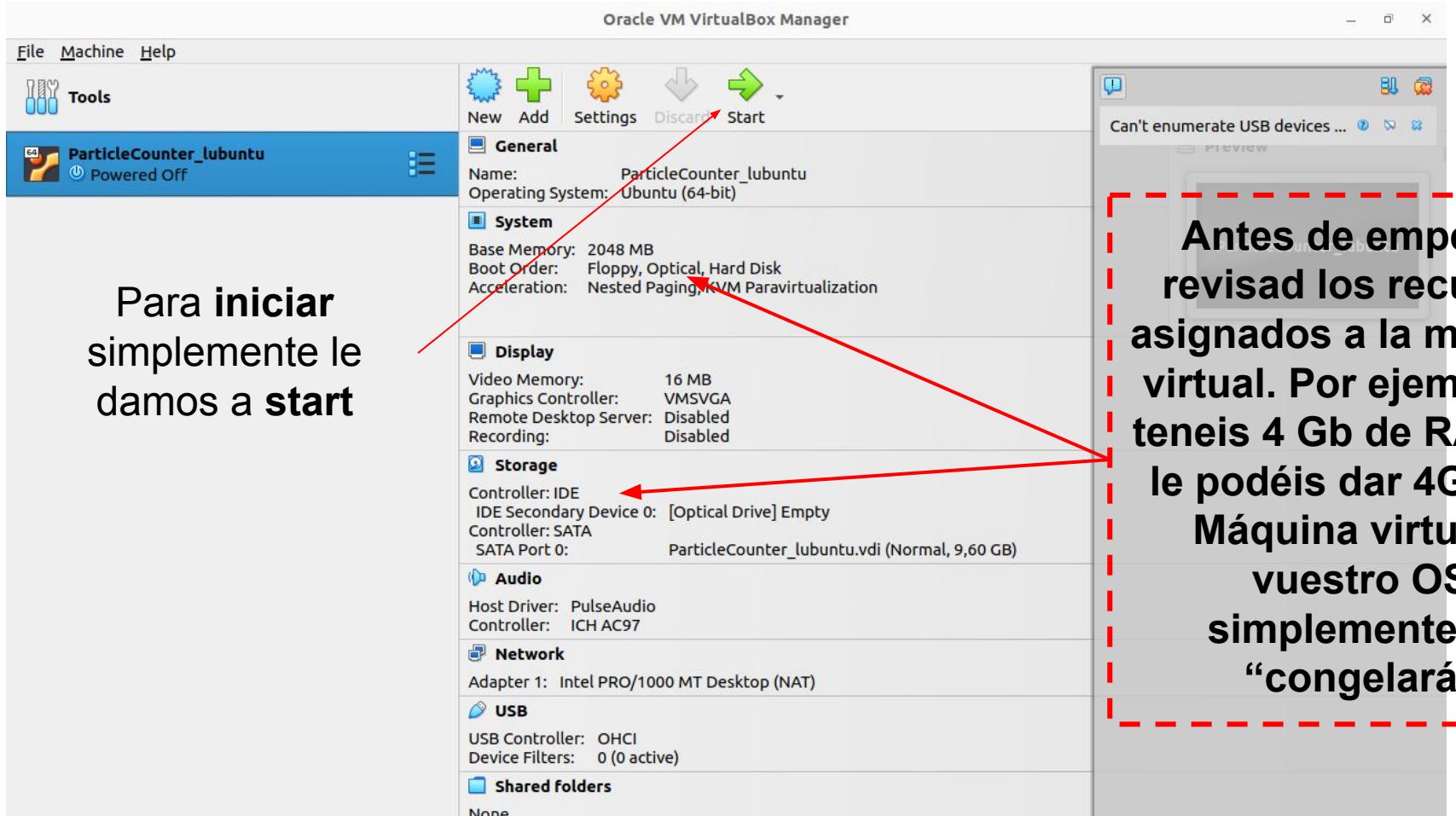
Para añadir la máquina virtual, hacemos uso de la función **Add** en la interfaz de VirtualBox



Seleccionamos este archivo



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



Oracle VM VirtualBox Manager

File Machine Help

Tools

ParticleCounter_lubuntu Powered Off

New Add Settings Discard Start

General

Name: ParticleCounter_lubuntu
Operating System: Ubuntu (64-bit)

System

Base Memory: 2048 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: Nested Paging, KVM Paravirtualization

Display

Video Memory: 16 MB
Graphics Controller: VMSVGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage

Controller: IDE
IDE Secondary Device 0: [Optical Drive] Empty
Controller: SATA
SATA Port 0: ParticleCounter_lubuntu.vdi (Normal, 9,60 GB)

Audio

Host Driver: PulseAudio
Controller: ICH AC97

Network

Adapter 1: Intel PRO/1000 MT Desktop (NAT)

USB

USB Controller: OHCI
Device Filters: 0 (0 active)

Shared folders

None

Para iniciar simplemente le damos a **start**

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

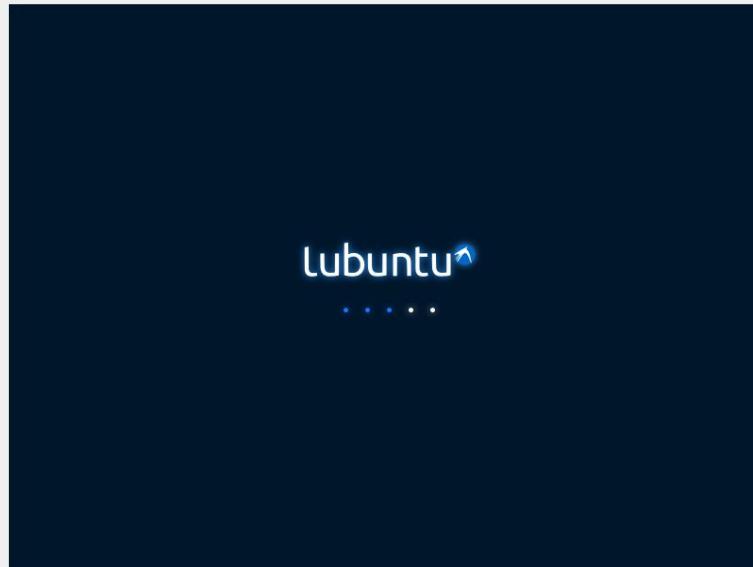
Atención!

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



File Machine View Input Devices Help

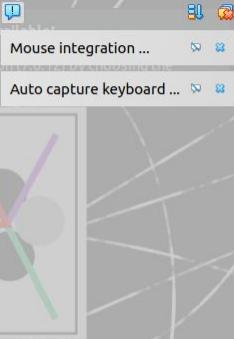


**Carpeta de
GEANT4**

Terminal

Particle Counter

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

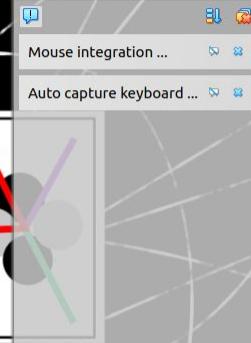


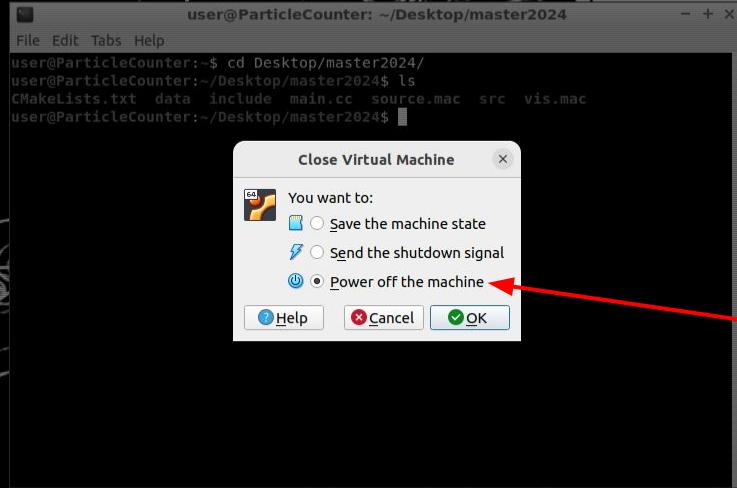


```
user@ParticleCounter: ~/Desktop/master2024
File Edit Tabs Help
user@ParticleCounter:~$ cd Desktop/master2024/
user@ParticleCounter:~/Desktop/master2024$ ls
CMakeLists.txt data include main.cc source.mac src vis.mac
user@ParticleCounter:~/Desktop/master2024$
```

Particle ~~unter~~

Enjoy!





Particle Counter



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