

Install Virtual Machines

1. Download CDH

Download from http://www.cloudera.com/content/cloudera/en/downloads/quickstart_vms/cdh-4-7-x.html your favourite hypervisor version (VMware, VirtualBox or KVM)

In this tutorial we will use KVM for a Debian 7 wheezy:

```
# wget https://downloads.cloudera.com/demo_vm/virtualbox/cloudera-quickstart-vm-4.7.0-0-virtualbox.7z
# 7z e cloudera-quickstart-vm-4.7.0-0-virtualbox.7z
```

2. Rename vm

Based on training Cloudera courses we will use 4 machines: elephant, tiger, monkey and horse.

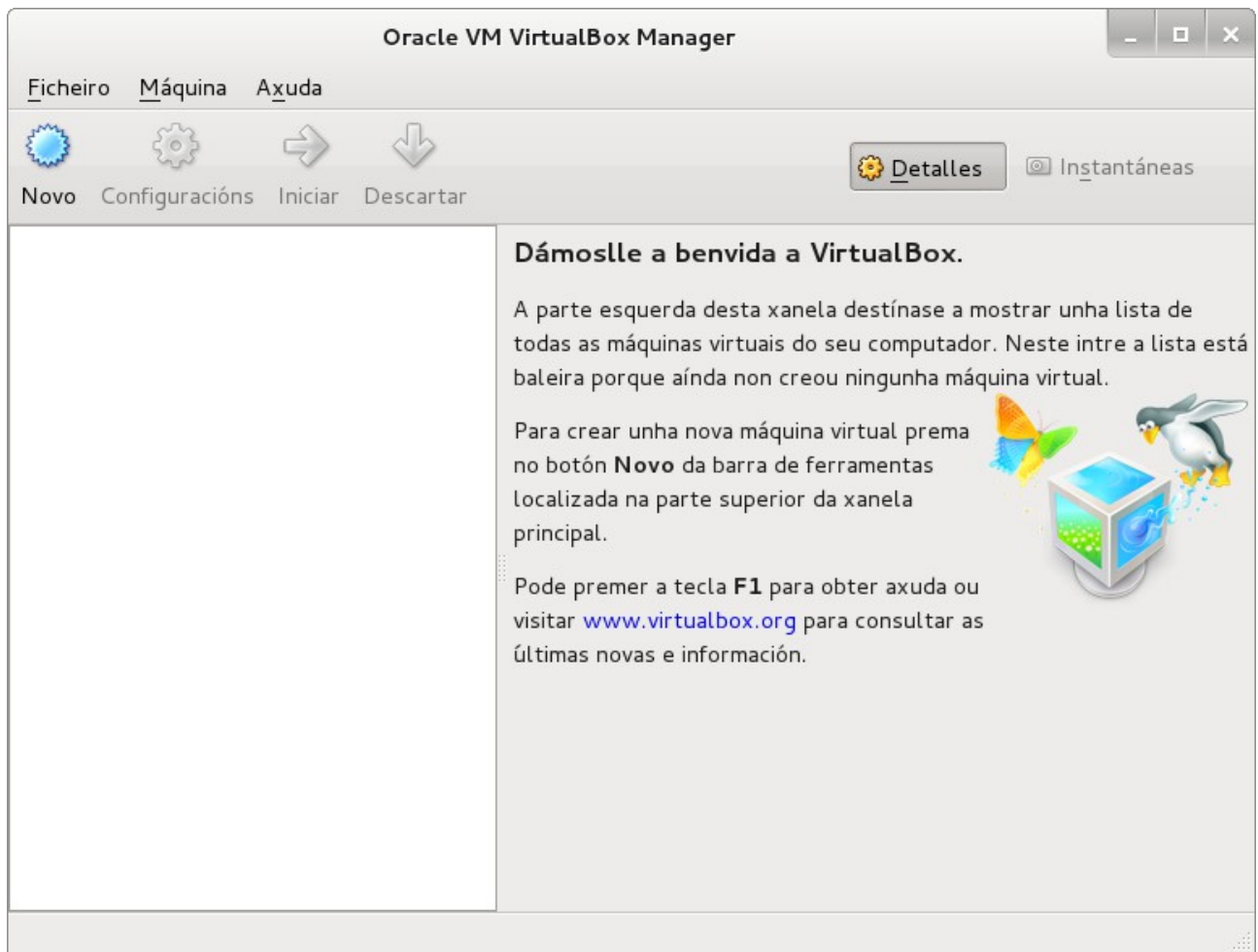
```
$ cd cloudera-quickstart-vm-4.7.0-0-virtualbox
$ mv cloudera-quickstart-vm-4.7.0-0-virtualbox.ovf elephant-vm-4.7.0-0-virtualbox.ovf
$ mv cloudera-quickstart-vm-4.7.0-0-virtualbox-disk1.vmdk elephant-vm-4.7.0-0-virtualbox-disk1.vmdk
```

3. Install virtualbox

```
$ sudo apt-get install virtualbox
```

4. Configure Machine

From pannel go to Accessories -> VirtualBox



Crear unha nova máquina virtual


Nome da máquina virtual e tipo de sistema operativo


Insira un nome para a nova máquina virtual e seleccione o tipo de sistema operativo convidado que planea instalar na máquina virtual.

O nome da máquina virtual xeralmente indica a súa configuración de hardware e software. Será empregado por todos os compoñentes de VirtualBox para identificar a súa máquina virtual.

Nome

Tipo de sistema operativo

Sistema operativo: Linux 

Versión: Red Hat (64 bit) 

< Volver Seguinte> Cancelar

- 8Gb RAM: 1536MB
- 4Gb RAM: 1280MB

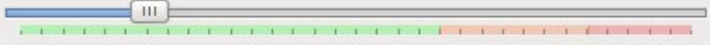
Crear unha nova máquina virtual

Memoria

Selecione a cantidade de memoria base (RAM) en megabytes que se lle asignará á máquina virtual.

O tamaño da memoria base recomendado é **512 MB**.

Tamaño da memoria base

 1536 MB

4 MB 8192 MB

< Volver Seguinte> Cancelar

Select .vmdk file from virtual disk:

Crear unha nova máquina virtual



Disco ríxido virtual

If you wish you can now add a start-up disk to the new machine. You can either create a new virtual disk or select one from the list or from another location using the folder icon.

If you need a more complex virtual disk setup you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the start-up disk is **8,00 GB**.

☒ **Start-up Disk**

☐ Crear un novo disco ríxido

☒ Empregar un disco ríxido existente


 elephant-vm-4.7.0-0-virtualbox-disk1.vmdk (Normal, 64 GB) 

< Volver

Seguiente>

Cancelar

Crear unha nova máquina virtual



Resumo

Vaise crear unha nova máquina virtual cos seguintes parámetros:

Nome:	elephant
Tipo de sistema operativo:	Red Hat (64 bit)
Memoria base:	1536 MB
Disco ríxido de inicio:	elephant-vm-4.7.0-0-virtualbox-

If the above is correct press the **Create** button. Once you press it, a new virtual machine will be created.

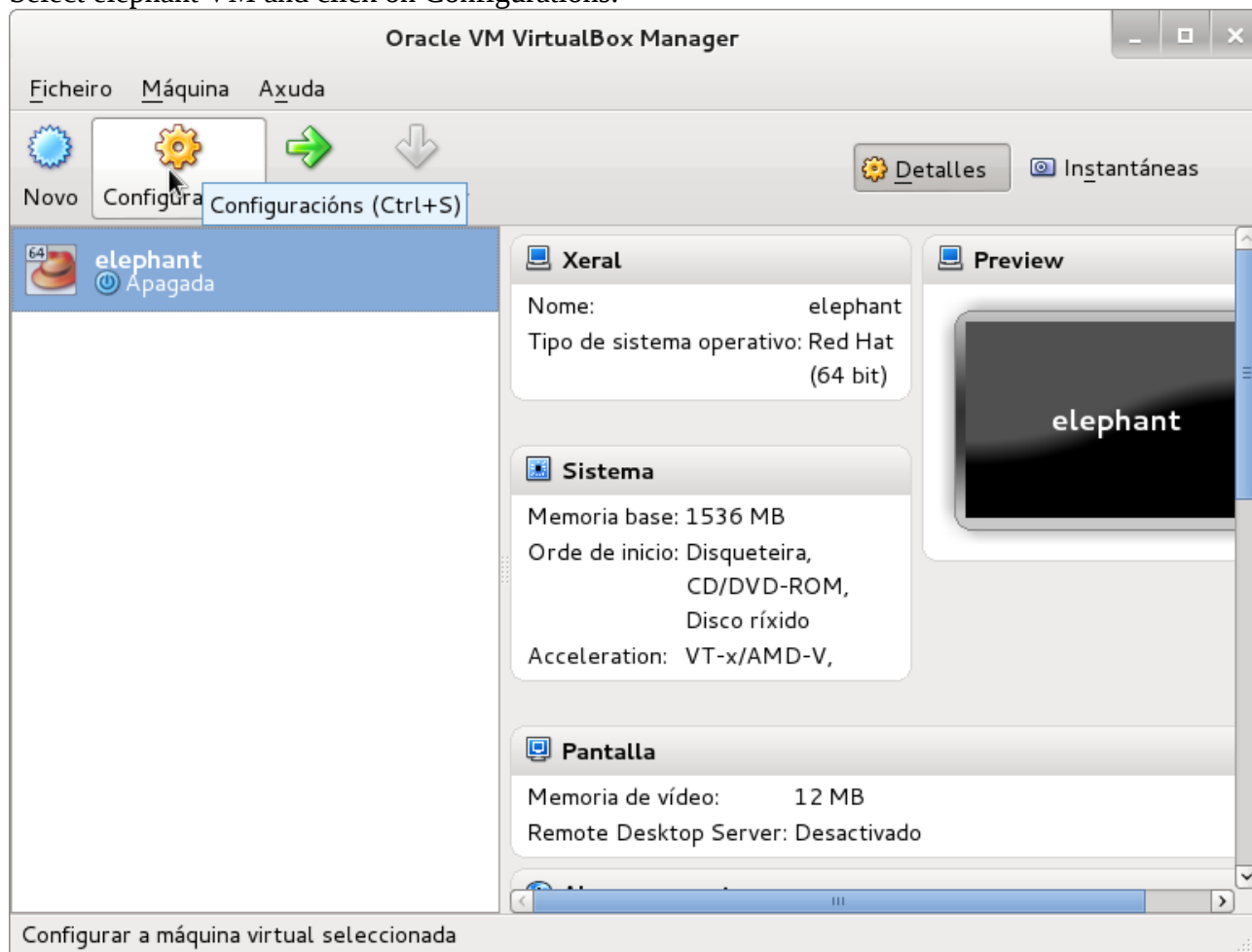
Note that you can alter these and all other setting of the created virtual machine at any time using the **Settings** dialog accessible through the menu of the main window.

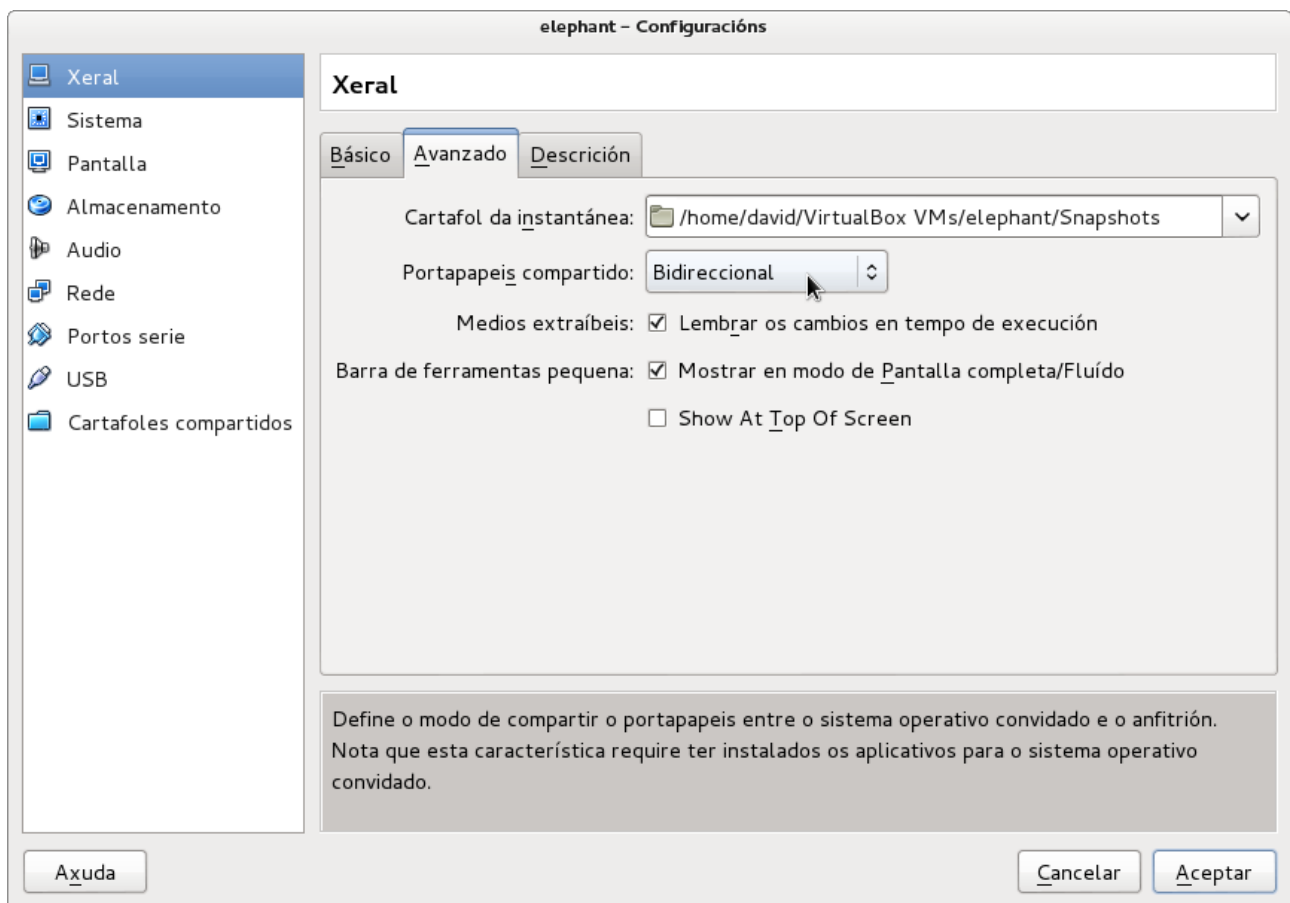
< Volver

Create

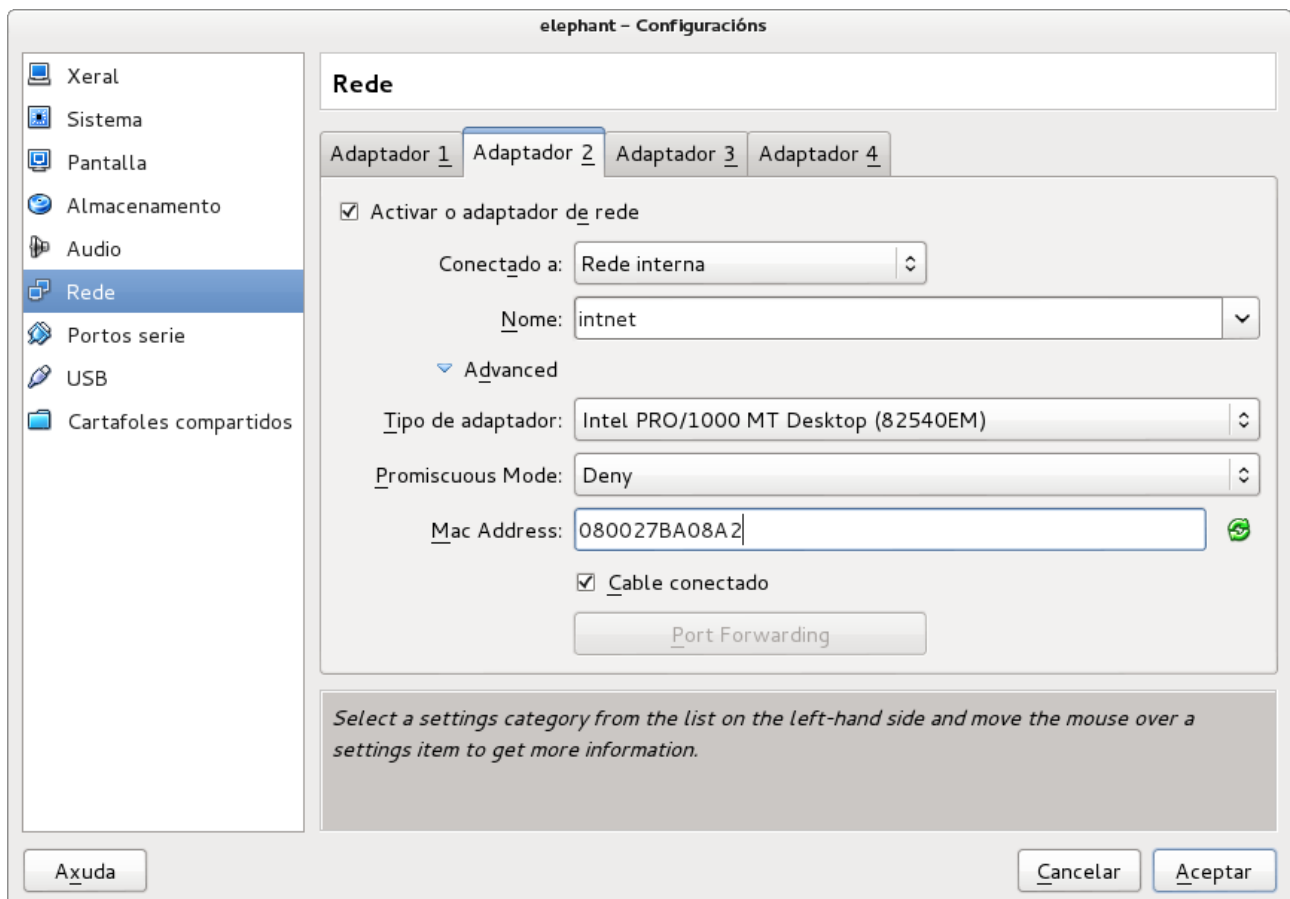
Cancelar

Select elephant VM and click on Configurations:

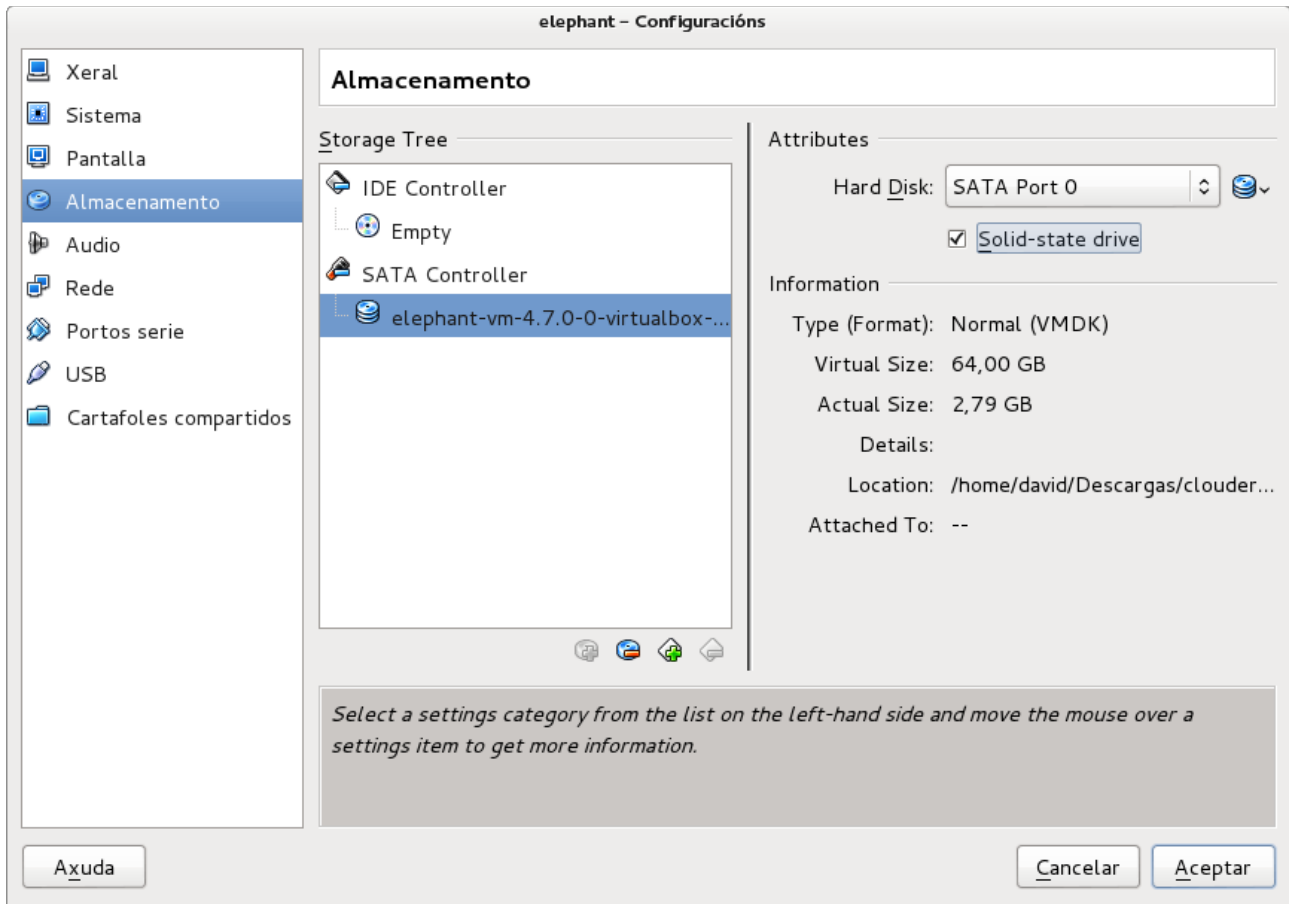




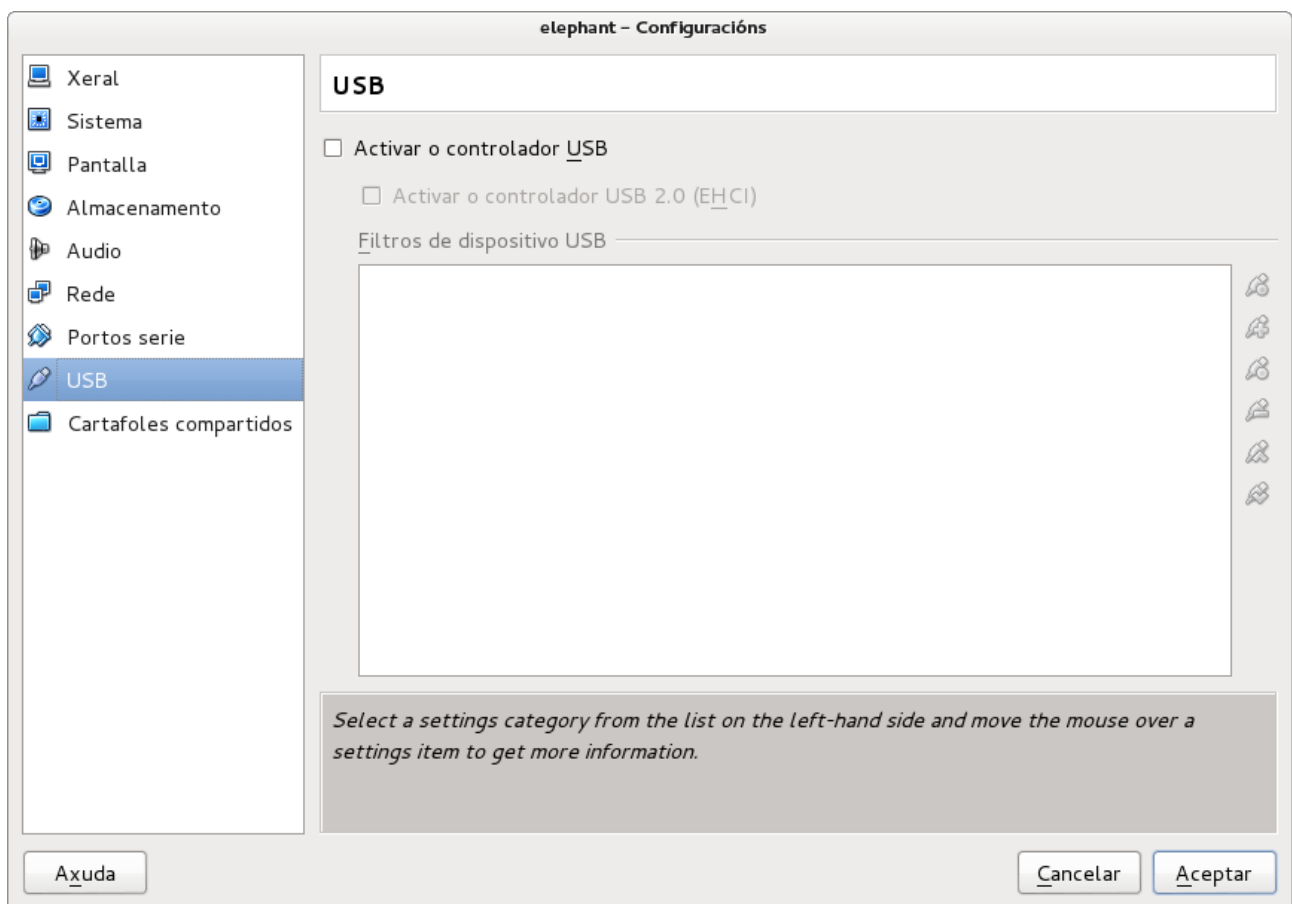
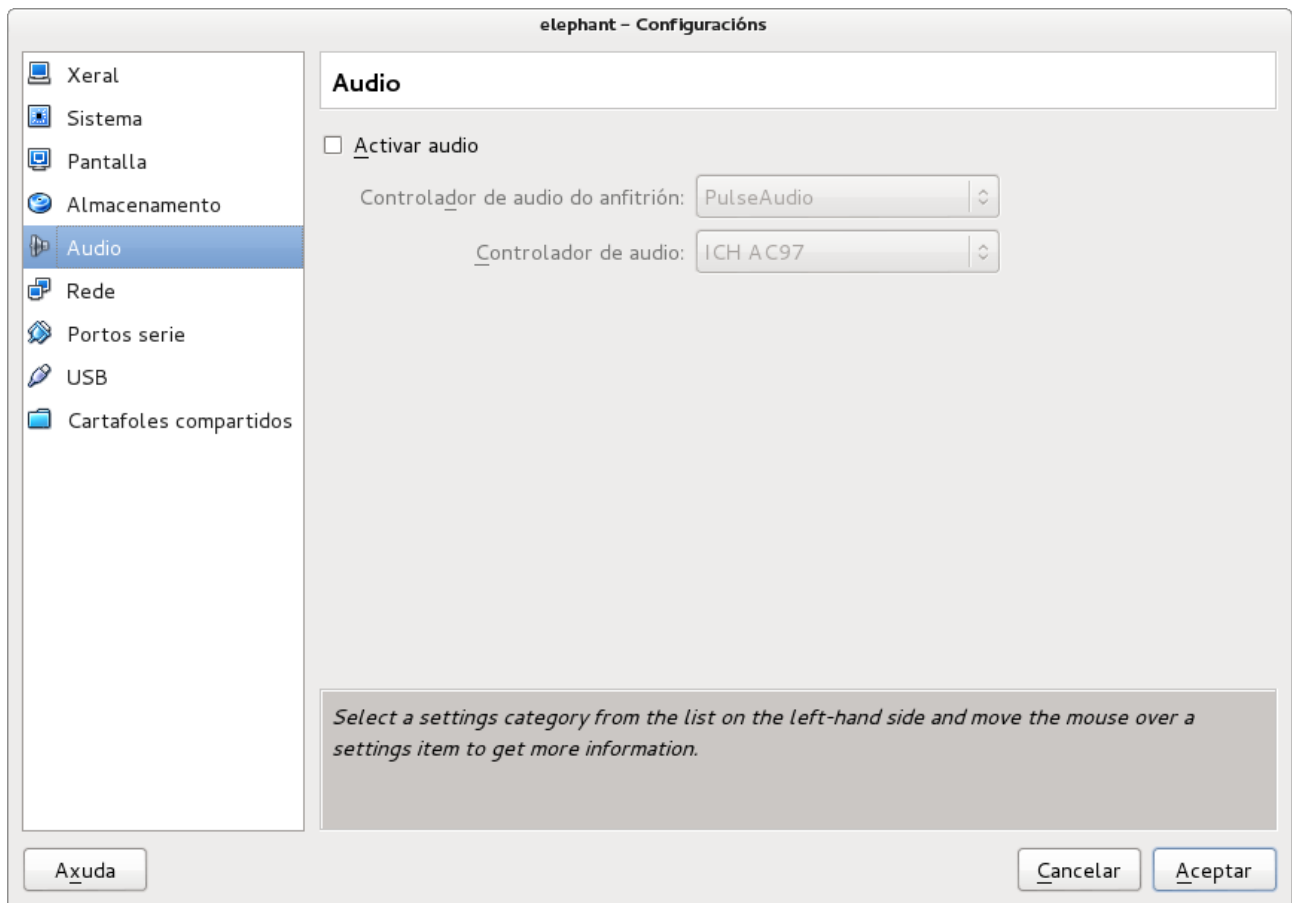
Create second network adapter as a “**internal network**”:



Check “Solid-state drive” if your guest has a SSD disk.



Unmark following options:



Enable intel vt-x or amd-v set instructions from guest processor:

