

By ZcWorld

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VirtualBox On FC6 / CentOS 4 / OpenSuSE 10.2

What is VirtualBox?

InnoTek VirtualBox is a family of powerful x86[virtualization](#) products 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 Public License (GPL). See "[About VirtualBox](#)" for an introduction; see "[InnoTek](#)" for more about our company.

>>READ FIRST<< >> The **VirtualBox** binaries are available free of charge for personal and evaluation use. By downloading from the below links, you agree to the terms and conditions set forth by the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#). <<

>>[Download](#) << >>[Screen Shots](#)<< >>[Home Page](#)<< >>[User Manual](#)<<

Just a personal note: I found the VirtualBox to be like VMware workstation so if you how know to use that you will be right at home with VirtualBox.

Right. Onto the hit list of what we need. **What We Need**

- VirtualBox :: about 10 MB
- and test CD / ISO file (something small and easy and light to install)
- 5 GB of hdd space
- root user access
- 300 MB of free memory
- about 45mins
- some nice music to listen to (if you like :))
- kernel source / devel files
- User Manual :: about 2.1 mb

Tested on:

- FC 6 32 bit
- CentOS
- RedHat (should work on this because the CentOS and Fedora are based on RedHat)
- OpenSuSE ver 10.2 (32bit)

Step 01

Installing on Linux hosts

Prerequisites

Qt3.3.5 or higher;
SDL1.2.7 or higher (this graphics library is typically called libsdl or similar).

So make sure you got them installed. I did by default so I guess you should as well.

We need to install the kernel source / devel files for your OS. If you are on OpenSuSE, use yast to install them. For Fedora/CentOS try the package manager to find and install them.

Step 02

Download a copy of VirtualBox.

** If you downloaded this to your non-Linux PC then copy it over to the Linux PC via WinSCP or Samba.

Then open up a terminal window.

Type the path where you downloaded / copied the file to - like:

```
cd /home/zcworld/desktop
```

```
su
```

```
password
```

```
sh VirtualBox_1.3.2_Linux_x86.run install /opt/innotek/VirtualBox
```

It may take 2 to 5 mins to install. :) So its a good time to get a drink.

Step 03

We need to add our username to the *vboxgroup* to be able to run the program or we are going to get errors that are going to cook your noodle. **Fedora / CentOS**

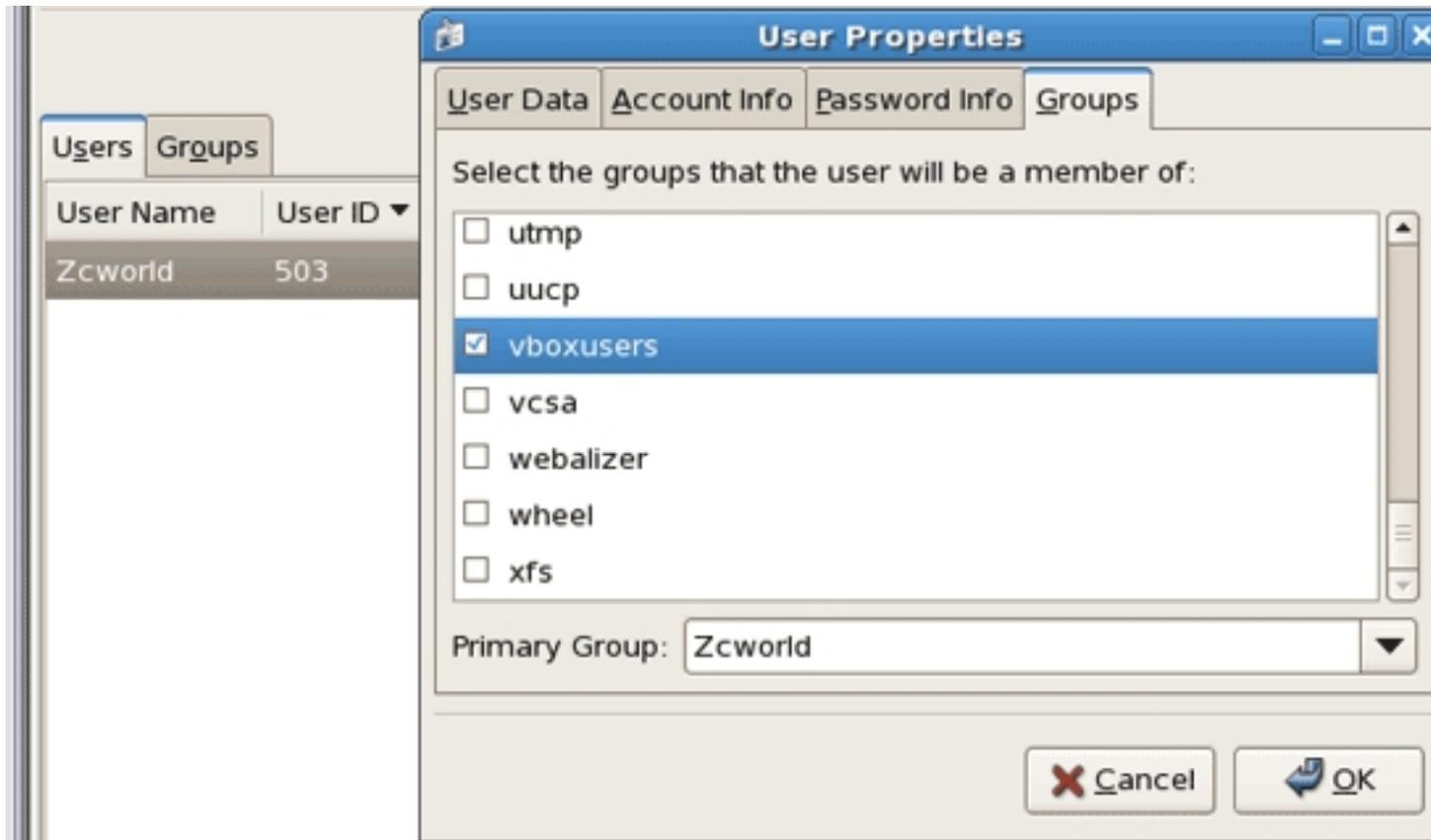
In Fedora / CentOS we do this:

CentOS : go to the Applications menu, then system settings and do the rest. :)

Go to *System -> Administration -> Users and Groups*:



Double-click on the users, then go to the groups tab, find `vboxusers`, click ok .. log out and then back in.



OpenSuSE

Way to add users to the group for the VirtualBox to run:

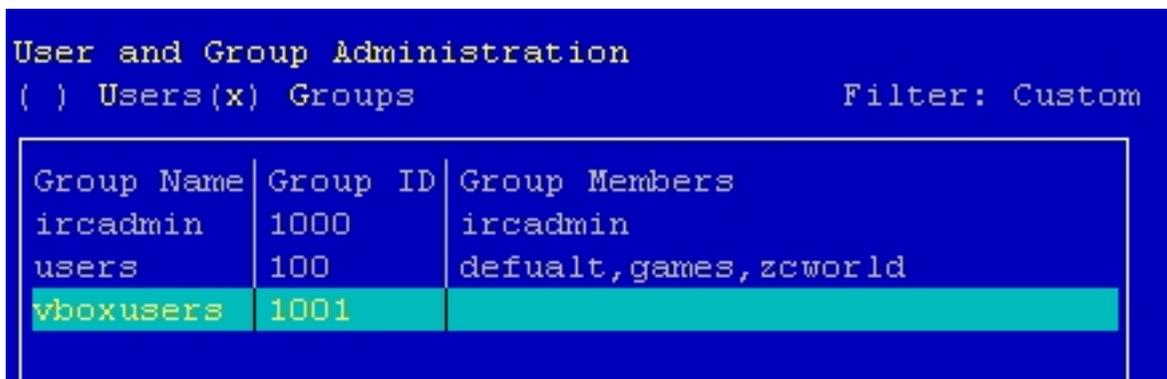
Log in as root user, then type

```
yast
```

Go down to *Security and Users*, pick *Group Management* from the list:



Pick from the list the *vboxusers* group, then push *ALT + I*:



Then *ALT + M*, then pick the member users you want to be able to run the `VirtualBox` program by pushing the spacebar key on the user name, then the up or down arrow to find another user.

```
Existing Local Group

Group Name
vboxusers ██████████

Group ID (gid)
1001 ██████████

Password
***** ██████████

Confirm Password
***** ██████████

[Cancel]                                     [Accept]

Group Members
[ ] at
[ ] avahi
[ ] beagleindex
[ ] bin
[ ] daemon
[x] default
[ ] ftp
[ ] games
[ ] gdm
[ ] haldaemon
[ ] ircadmin
[ ] lp
[ ] mail
[ ] man
[ ] mdnsd
```

Once done push *ALT +A*.

```
User and Group Administration
( ) Users(x) Groups          Filter: Custom

Group Name | Group ID | Group Members
ircadmin   | 1000     | ircadmin
users      | 100      | default,games,zcworld
vboxusers  | 1001     | default
```

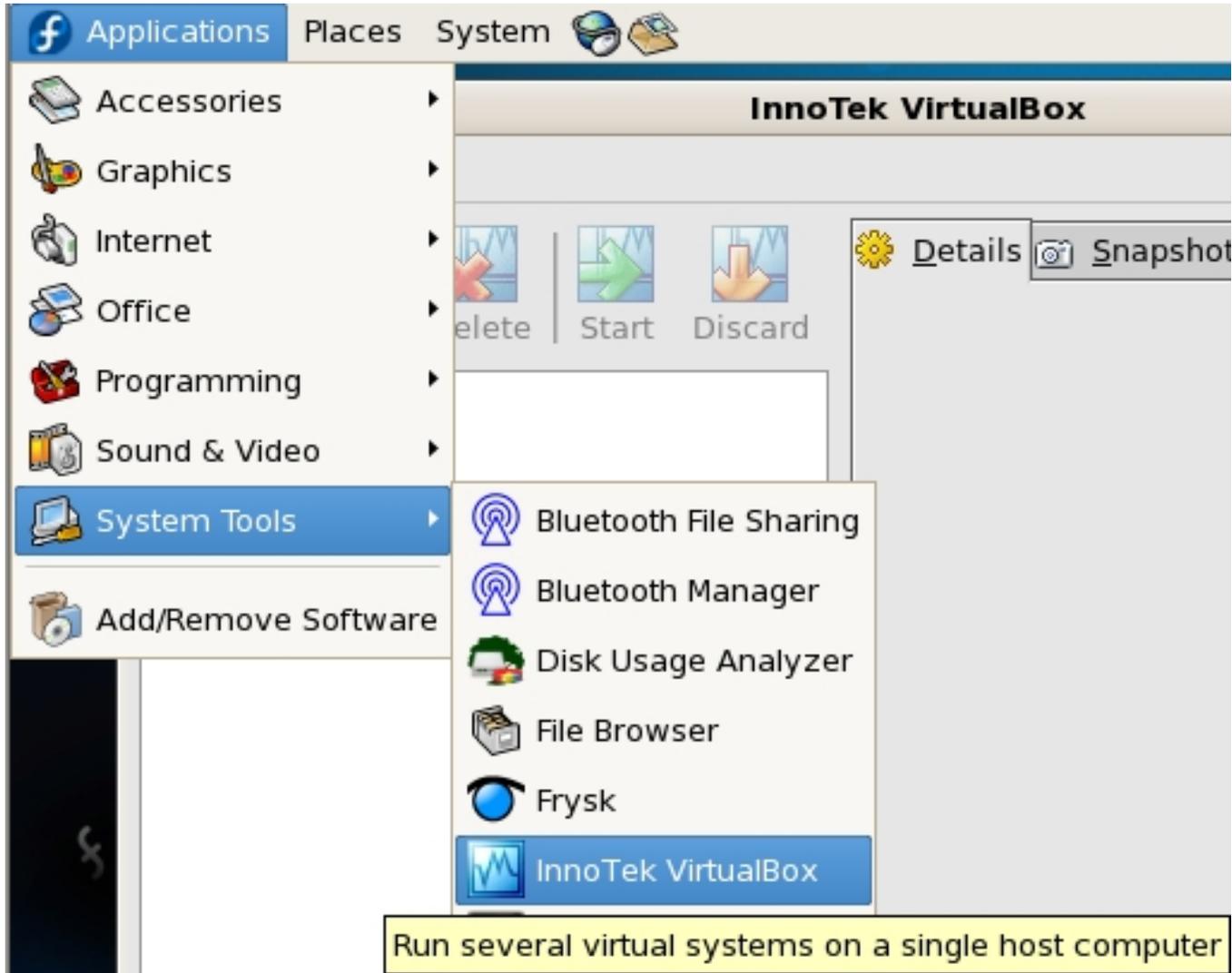
Then press *ALT + F*, then *ALT + Q*. If the user is logged in on the desktop, then log out and log in again.

Step 04 Fedora / CentOS

After VirtualBox is installed:

I'm on a FC 6 / Gnome desktop.

Go to *Applications - > System Tools - > VirtualBox*. Then click on *New*.

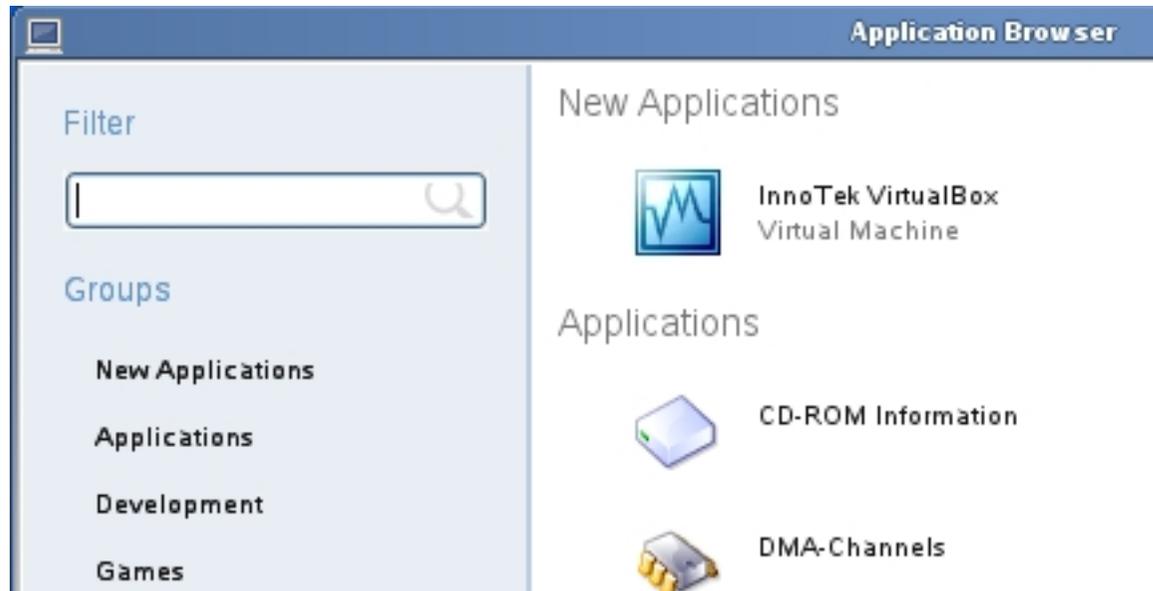


OpenSuSE

Click on the *Computer* icon, then on *More Applications...*:

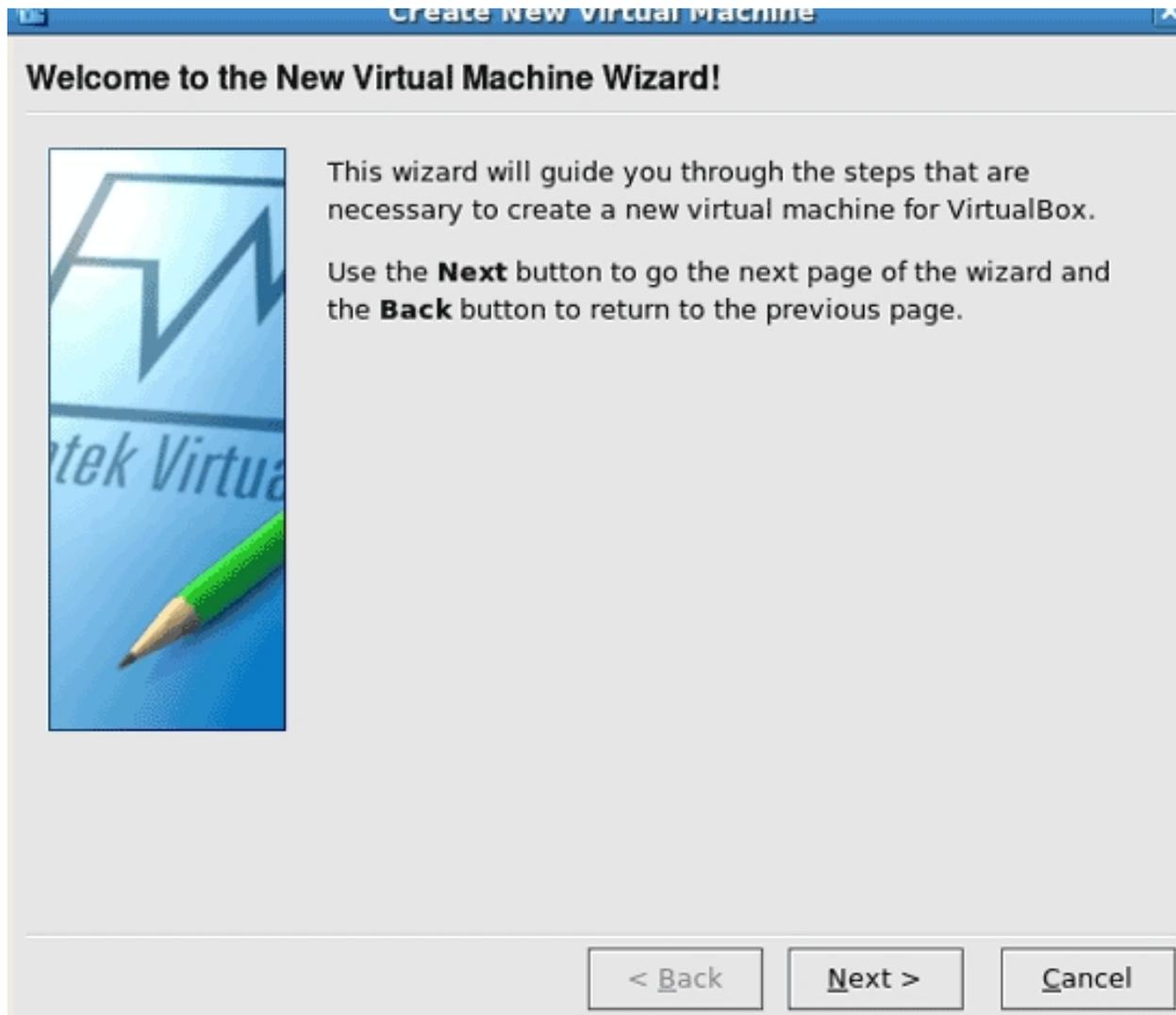


The InnoTek VirtualBox should be at the top of the list under *New Applications* (if you want it in the start menu, right-click, then add to favourites or drag onto desktop).



Step 05

Click *Next*:



Step 06

Pick a name and the OS type:



VM Name and OS Type

Enter a name for the new virtual machine and select a type of the guest operating system you plan to install in the machine.

The name of the virtual machine usually indicates its software and hardware configuration. It will be used by all VirtualBox products to identify the created virtual machine.

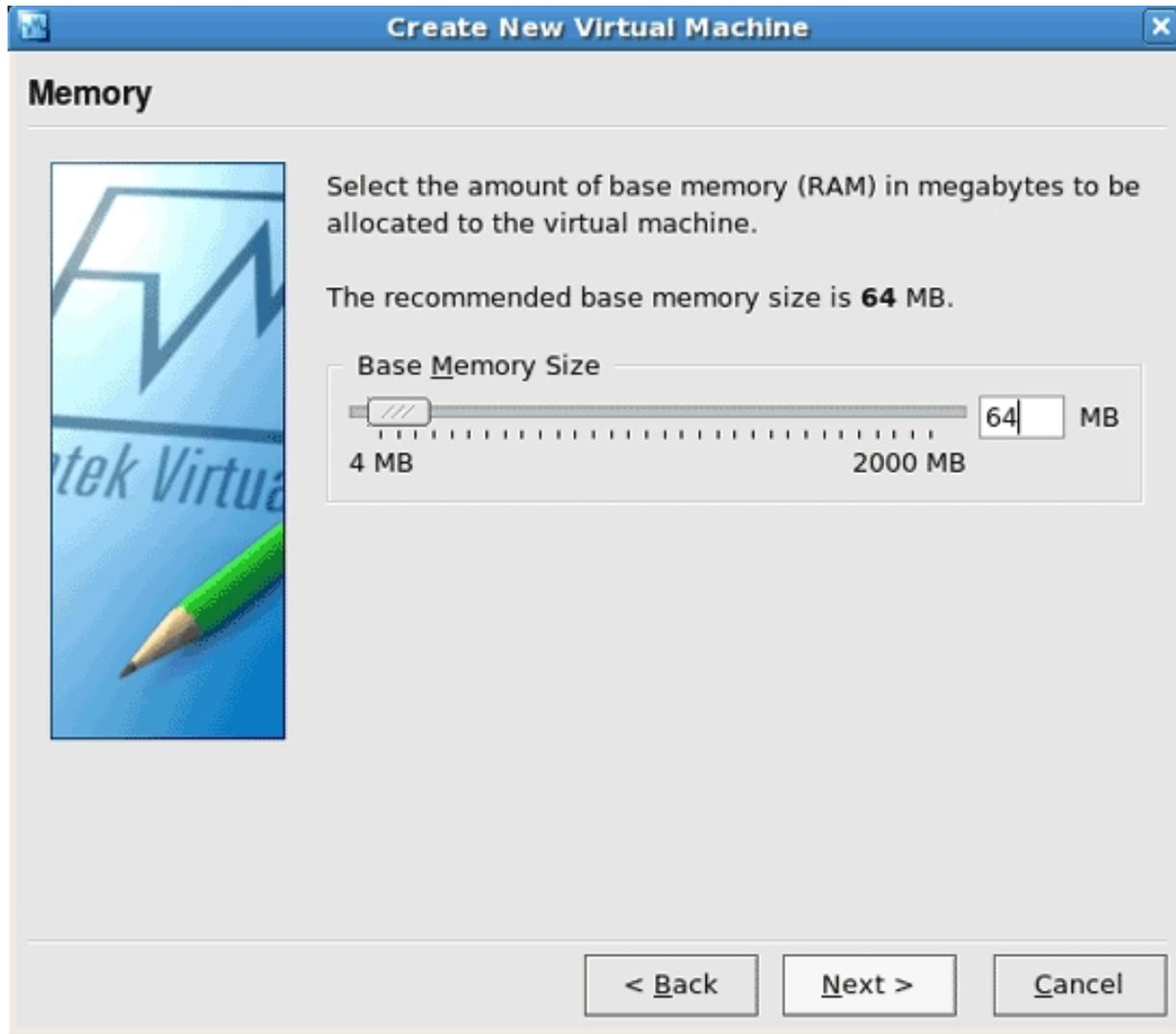
Name
lpcop - test

OS Type
Linux 2.2

< Back Next > Cancel

Step 07

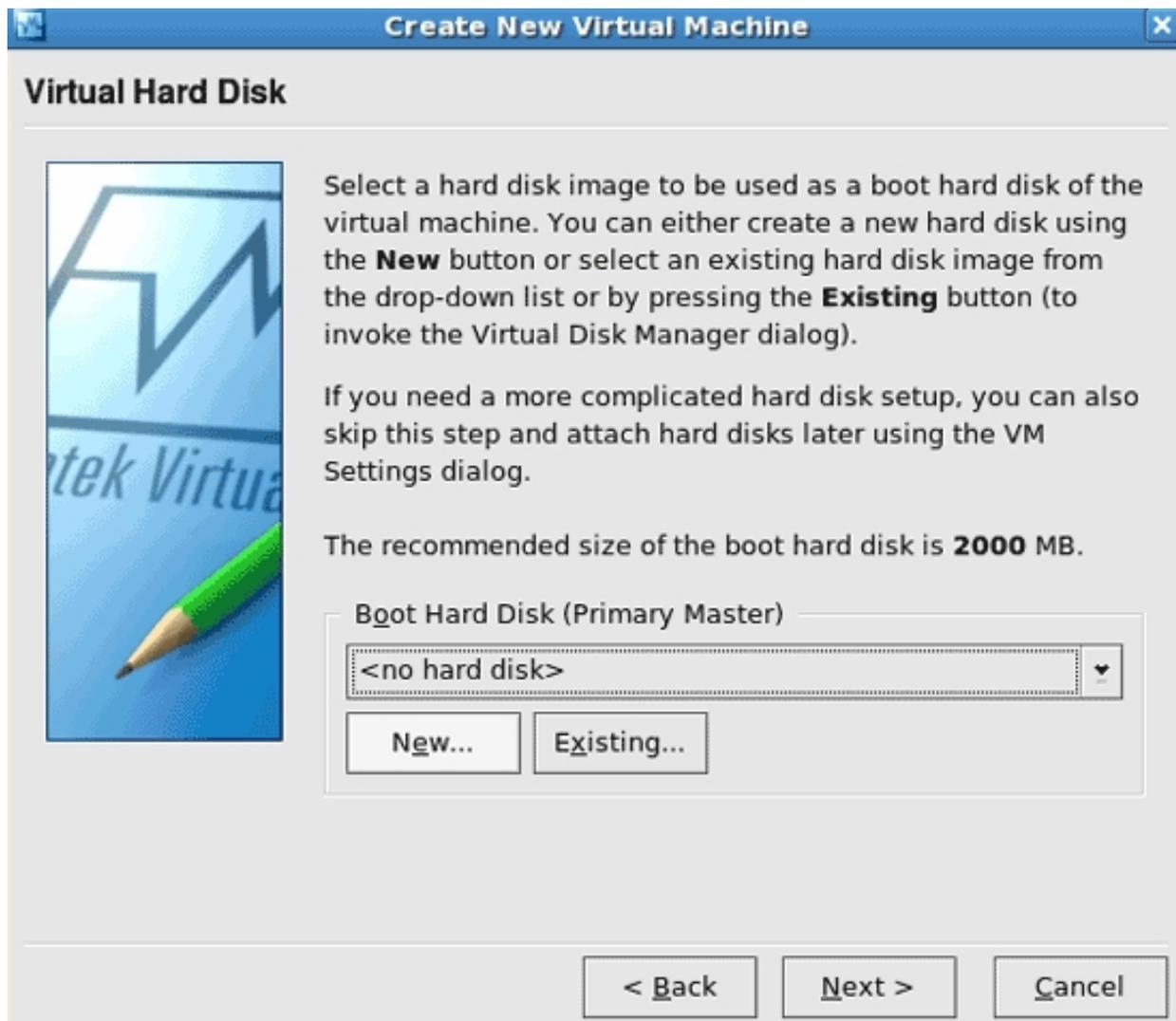
Specify the memory for the virtual machine:



Step 08

Setting up a hard drive image for the virtual machine. :)

Click on *New*:



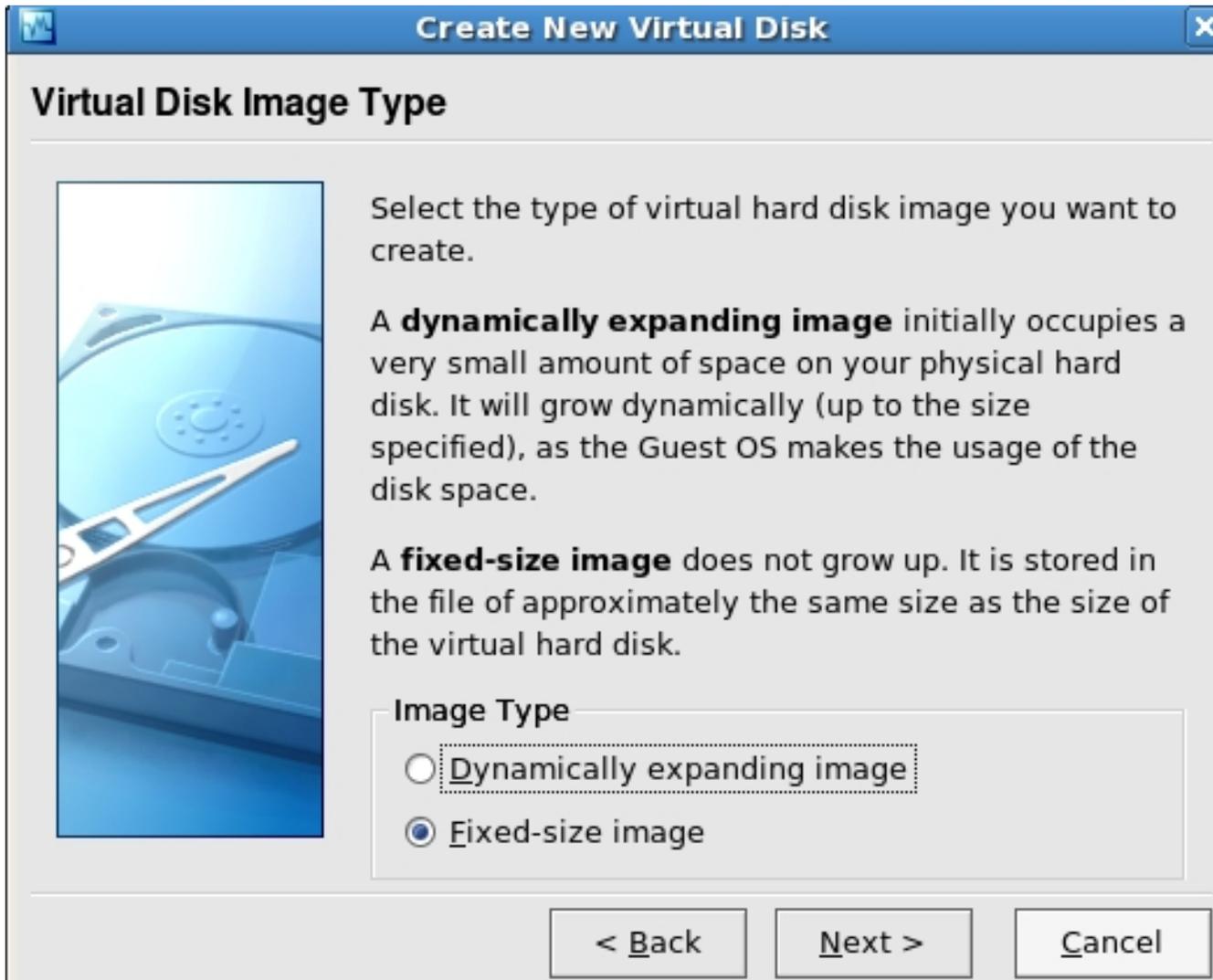
Step 09

Click *Next*:



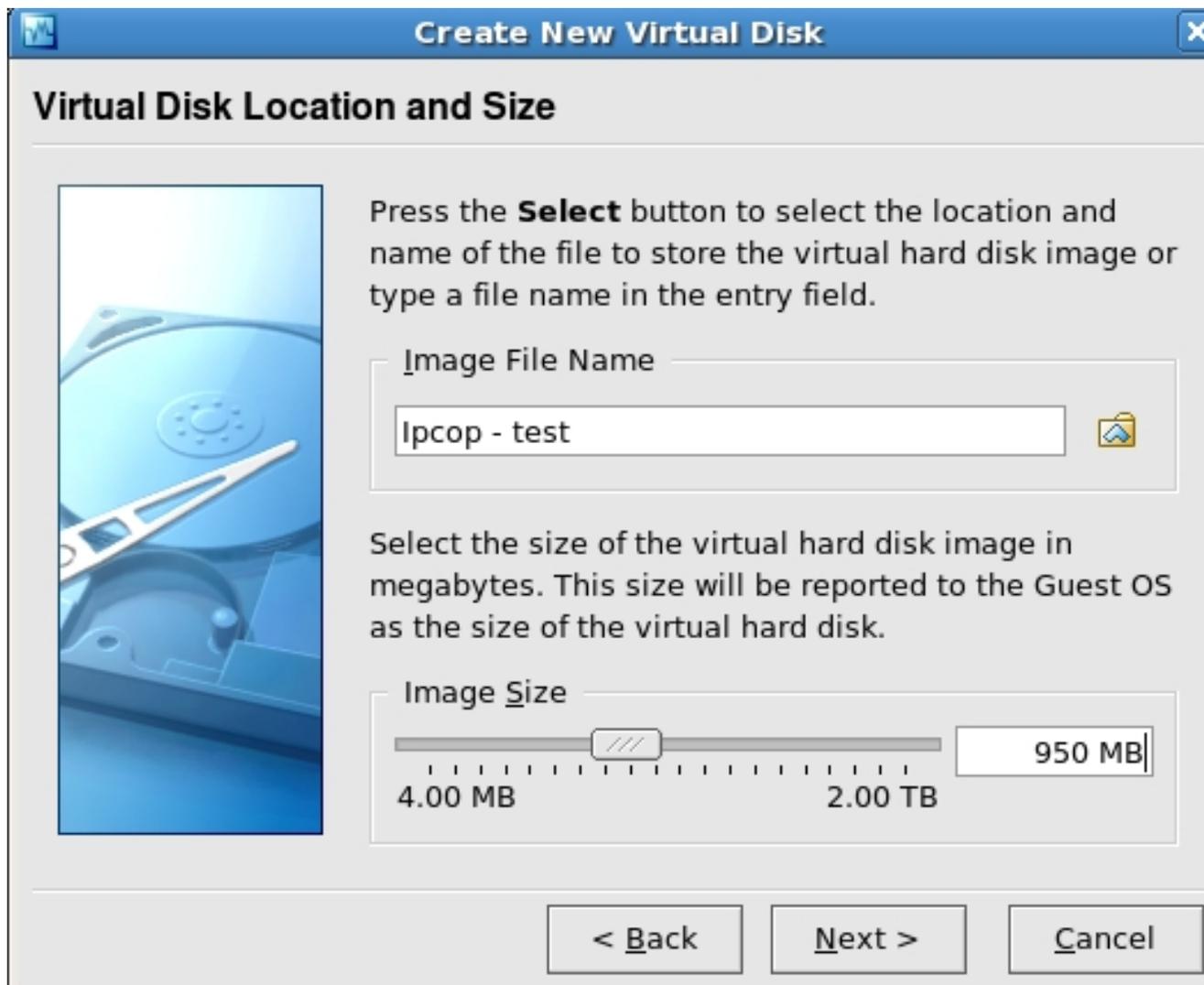
Step 10

Pick the type of hard drive image you are wanting. Read the page when it comes up for what each one does. :) Then click *Next*:



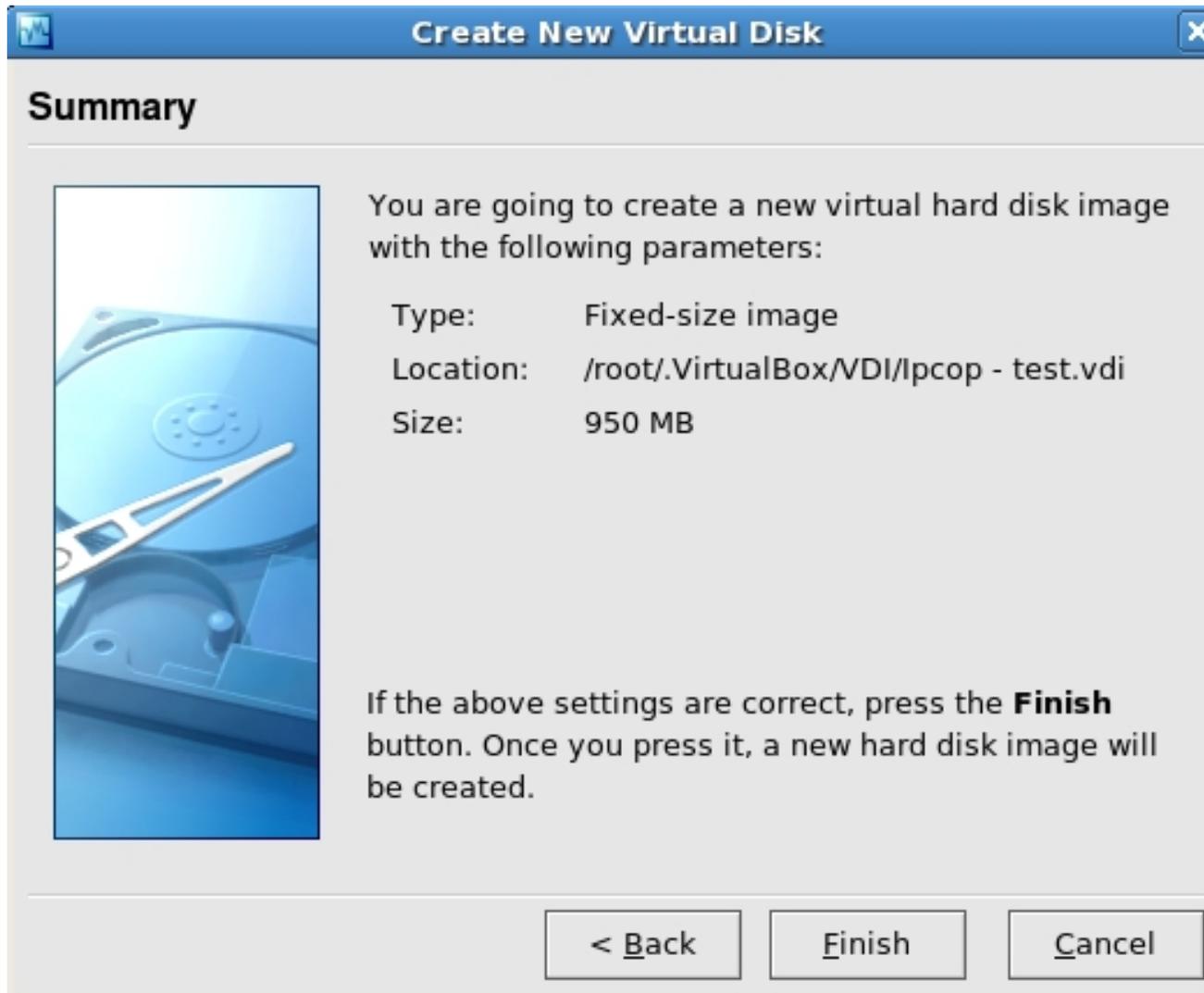
Step 11

Pick the size of the drive you are wanting, then click on *Next*:



Step 12

Click on *Finish* if you are happy with the hard drive info there. If not click *Back* and change it:



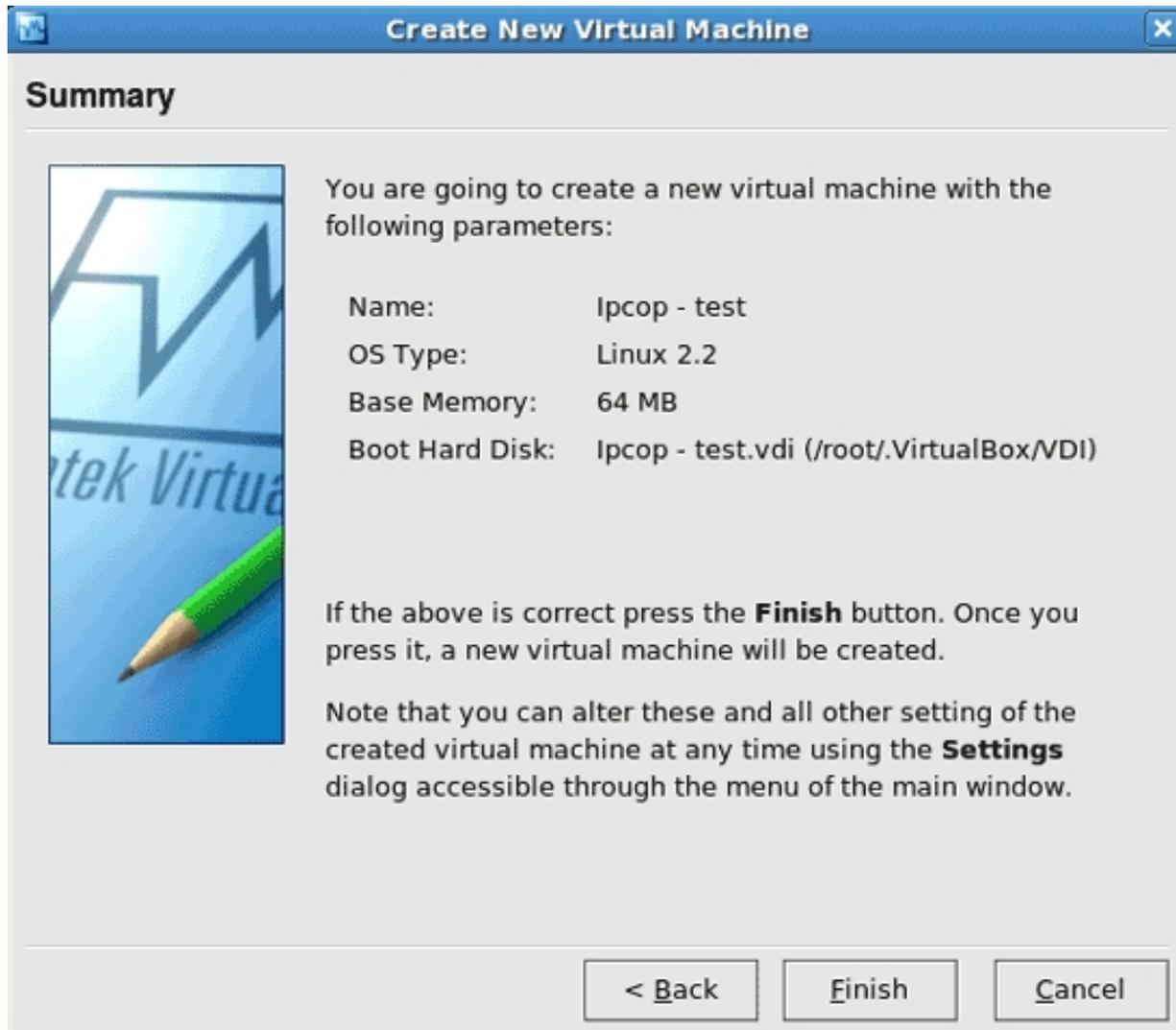
Step 13

We are back at the virtual machine settings. Click on *Next*:

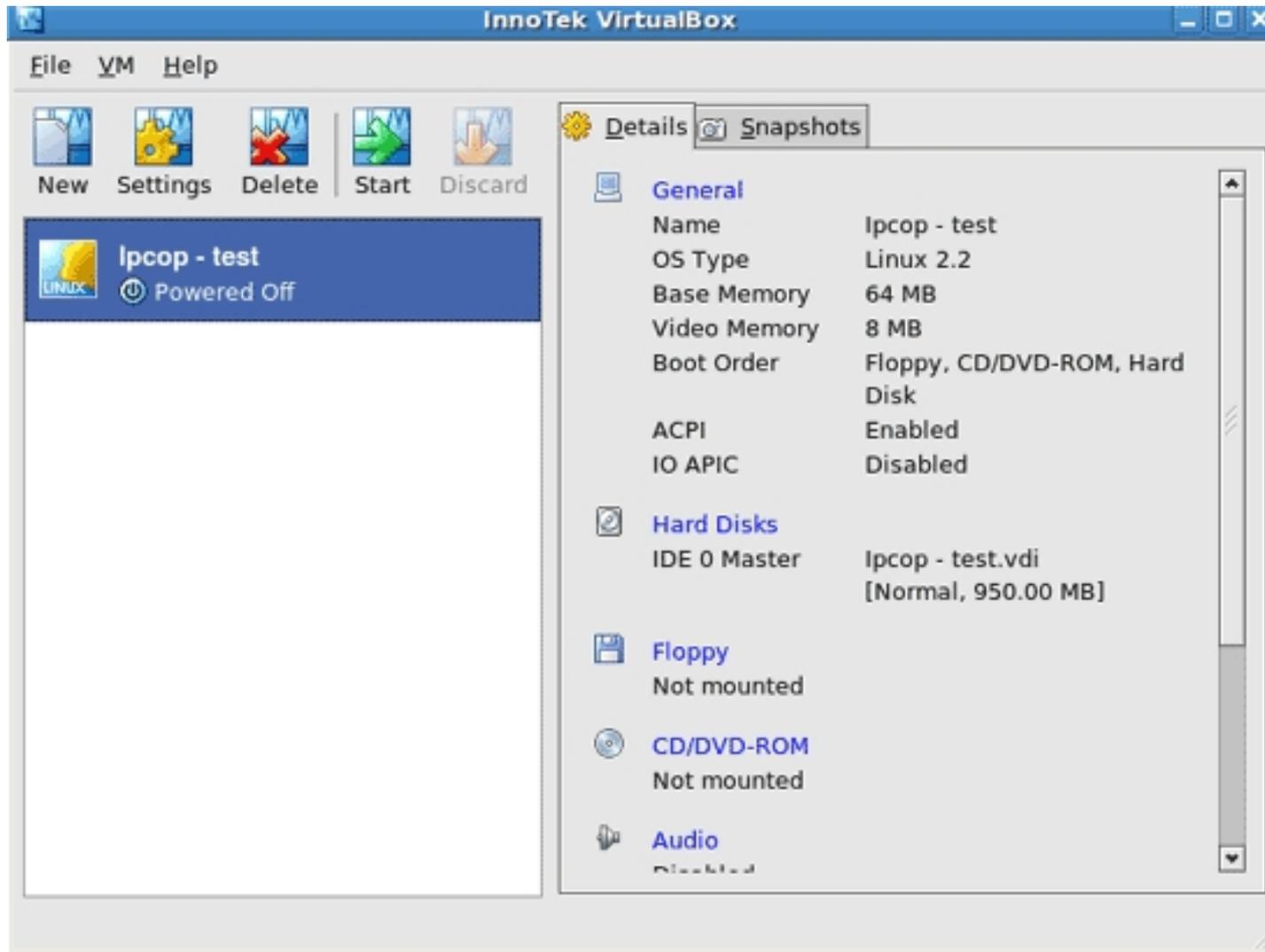


Step 14

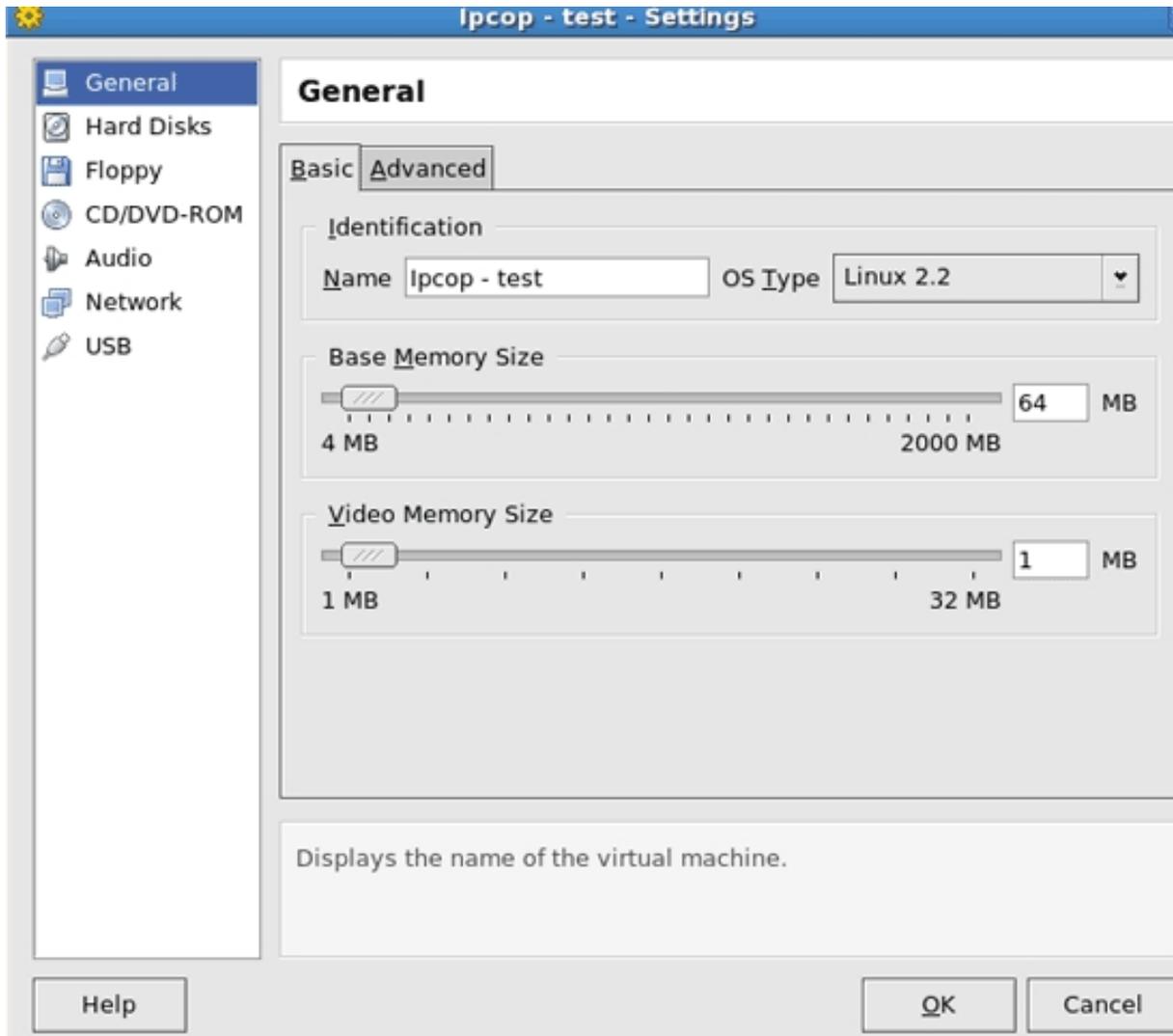
Click on *Finish* to save the settings. :)

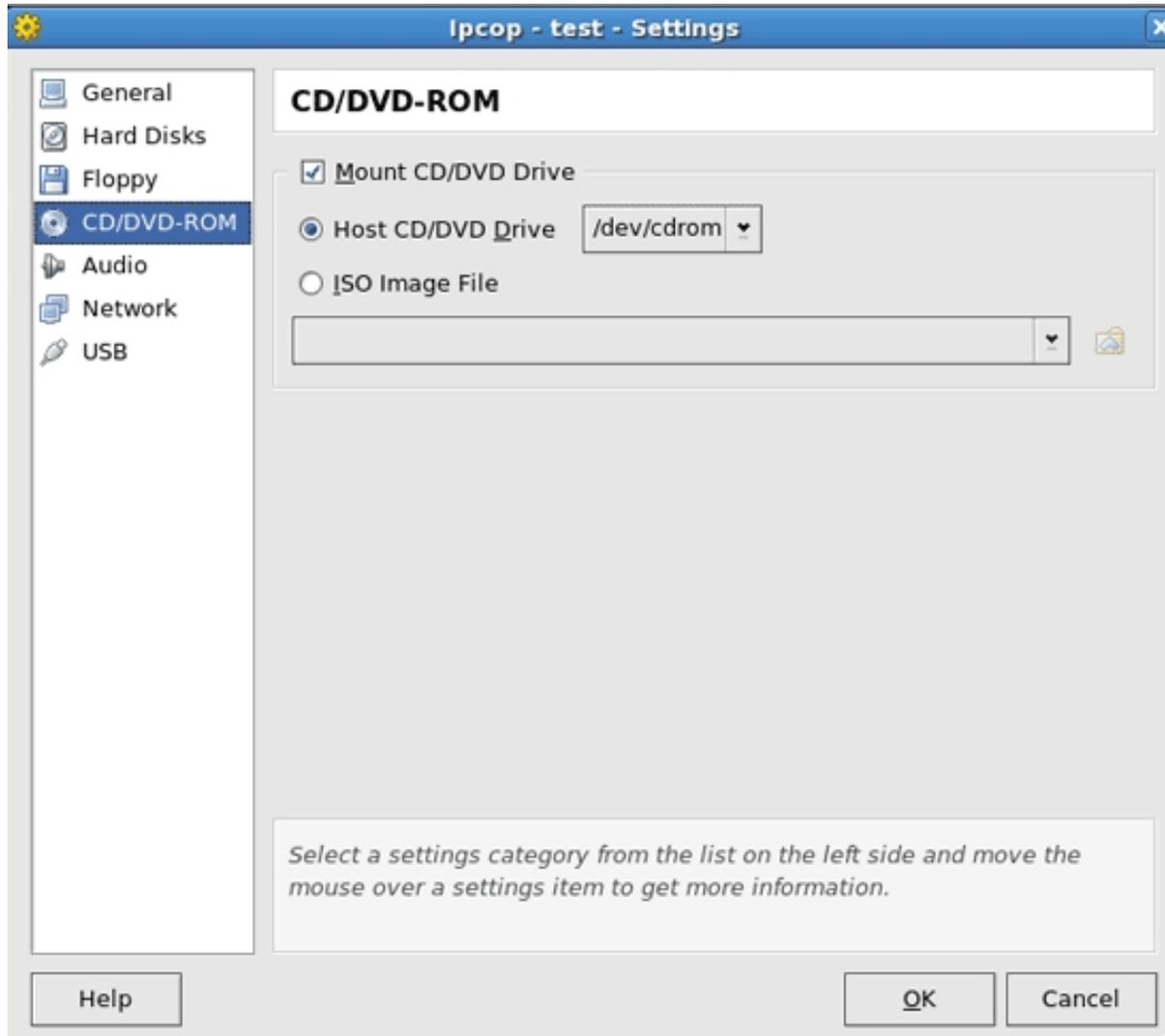


This is what we should get:

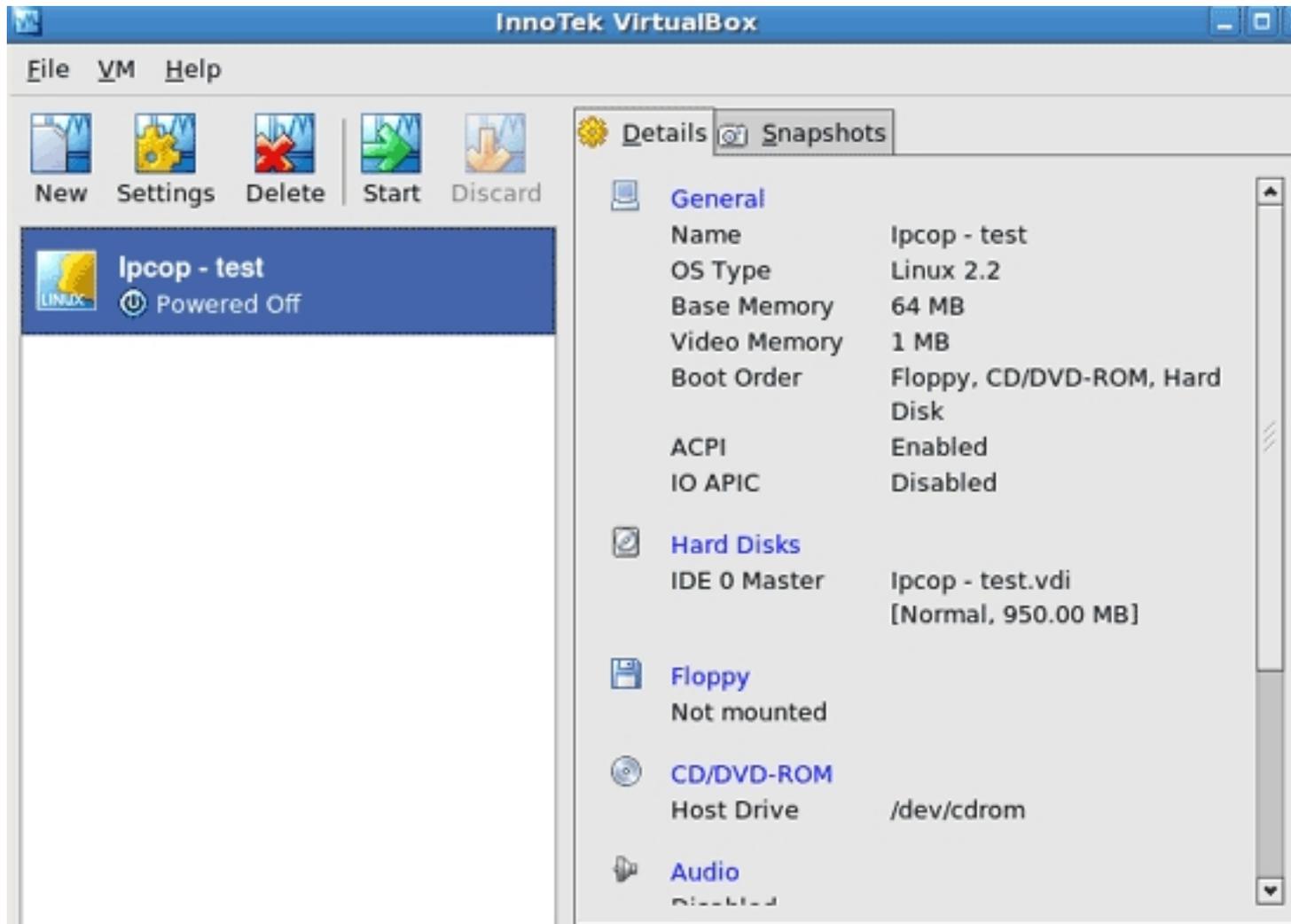


Ok, time to change some of the settings. So we click on *Settings*, then we change what we want to change. When you're finished click on *OK*.





We pick here the `/dev/cdrom` drive to boot from OR the place where an ISO file is to loaded from. Then we click on `OK`



Now that you've made all wanted changes, click on *Start* to run the virtual machine. That's it. :)

TIP

To get out of the VirtualBox window, push the right *ctrl* key once and you will get your mouse pointer back. :)

If you have problems starting up the VirtualBox if you have a normal account, do this:

Make a new account and add it to the the *vboxusers* group. Log into that account and try again. See if that works. If not have a look at the user manual.

Links

- VirtualBox: <http://www.virtualbox.org>