

Macchina virtuale per il corso di Fondamenti di Informatica

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- Scaricate la macchina virtuale cliccando sul link:

https://drive.google.com/file/d/0B56iVya_MYJpS0ZFUjlia1k5bU0/view?usp=sharing

Il file si chiama Lubuntu32.zip (2 gb)

- E' un file zippato, quindi scompattatelo (opzione 'unzip' o 'extract', cliccando tasto destro sul file).
- Il file si chiama Lubuntu32.qcow (ora il file e' 4.5 gb)

Virtual Box

- <https://www.virtualbox.org/>
- Download: <https://www.virtualbox.org/wiki/Downloads>
- Scaricate l'ultima versione: for Windows hosts (OS X host per Mac)



The screenshot shows the VirtualBox website's Downloads page. The page title is "VirtualBox" and the main heading is "Download VirtualBox". Below this, there is a section for "VirtualBox binaries" with a list of download links for different operating systems and architectures. A dialog box is overlaid on the page, titled "Opening VirtualBox-5.1.8-111374-Win.exe", which displays the file name, its size (117 MB), and the source URL. The dialog box also asks if the user wants to save the file and provides "Save File" and "Cancel" buttons.

<https://www.virtualbox.org/wiki/Downloads>

VirtualBox

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 5.1.8 for Windows hosts** ⇨ x86/amd64
 - **VirtualBox 5.1.8 for OS X hosts** ⇨ amd64
 - **VirtualBox 5.1.8 for Linux hosts**
 - **VirtualBox 5.1.8 for Solaris hosts** ⇨ amd64
- **VirtualBox 5.1.8 Oracle VM VirtualBox Extension Pack** ⇨ All supported platforms
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP and PXE boot.
Please install the extension pack with the same version as your installed VirtualBox.
If you are using **VirtualBox 5.0.26**, please download the extension pack from <http://download.virtualbox.org>.
- **VirtualBox 5.1.8 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 over the MD5 checksums.*

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

Opening VirtualBox-5.1.8-111374-Win.exe

You have chosen to open:

VirtualBox-5.1.8-111374-Win.exe
which is: Binary File (117 MB)
from: <http://download.virtualbox.org>

Would you like to save this file?

Save File Cancel

- Scaricate anche Extension Pack.
- Installate virtual box e poi extension pack

The screenshot shows the VirtualBox website's Downloads page. The page title is "VirtualBox" and the sub-header is "Download VirtualBox". A blue arrow points from the second bullet point in the top list to the "VirtualBox 5.1.8 Oracle VM VirtualBox Extension Pack" link. A file dialog box is open over the page, showing the selected file: "...le_VM_VirtualBox_Extension_Pack-5.1.8-111374.vbox-extpack". The dialog asks "What should Firefox do with this file?" and has "Save File" selected. The "OK" button is highlighted.

https://www.virtualbox.org/wiki/Downloads

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 - **VirtualBox 5.1.8 for Solaris hosts** ⇨ [amd64](#)
- **VirtualBox 5.1.8 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 document](#).
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 5.1.8 Software Developer Kit (SDK)** ⇨ [All platforms](#)

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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 download the manual, you can access it here:

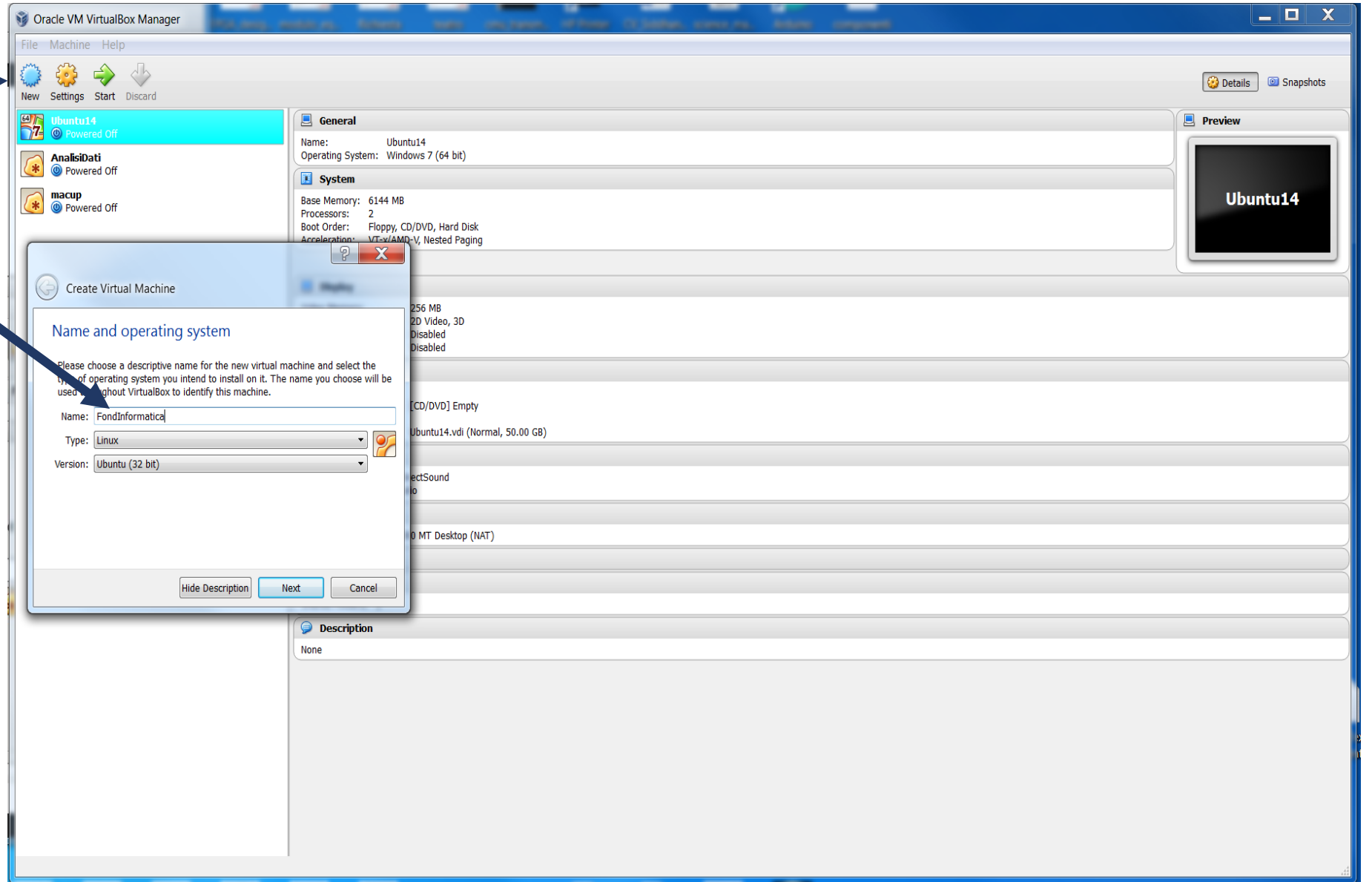
- ⇨ [User Manual \(HTML version\)](#)
- ⇨ [French User Manual](#)

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

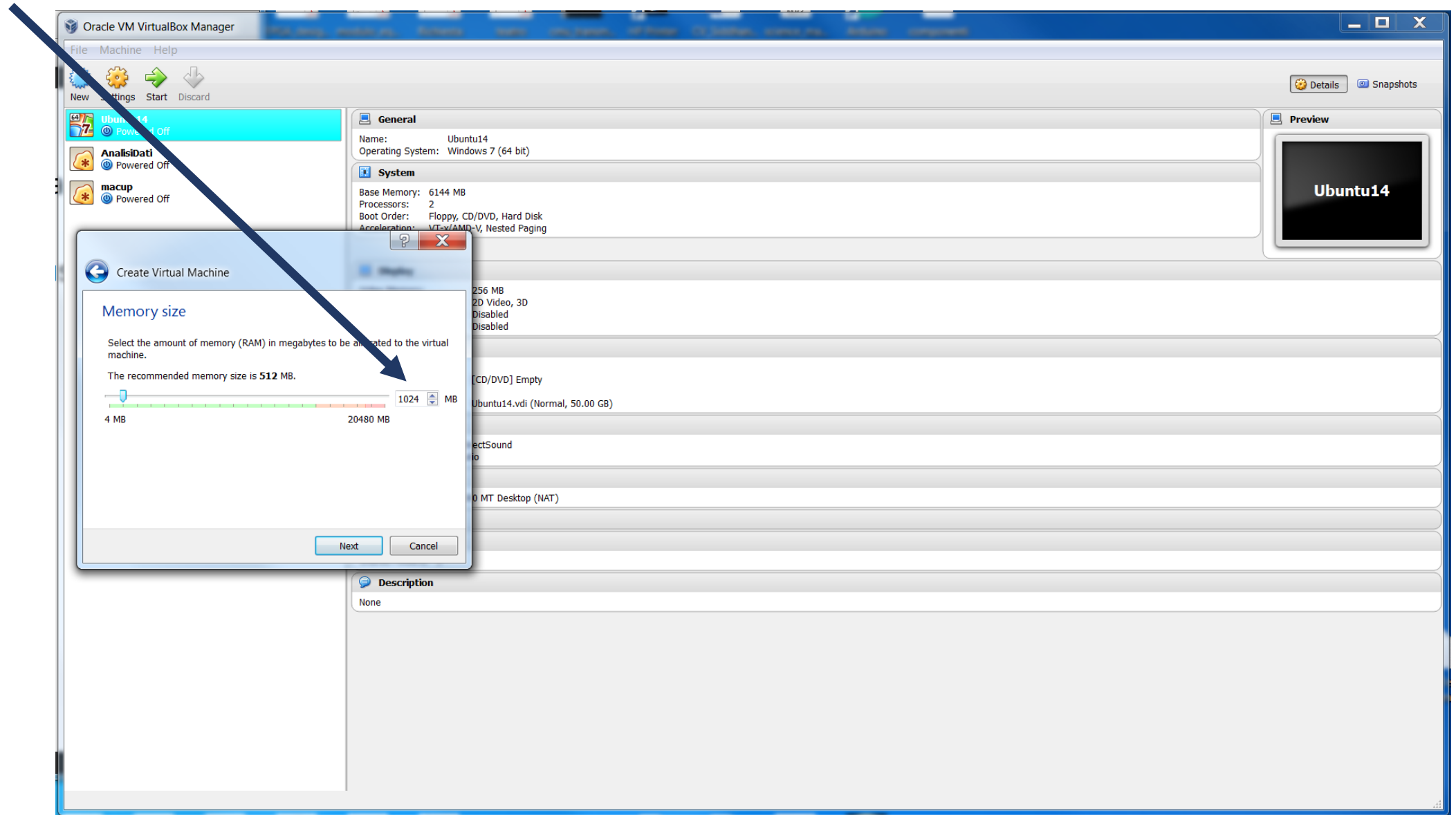
• Lanciate VirtualBox

- > Premete New →

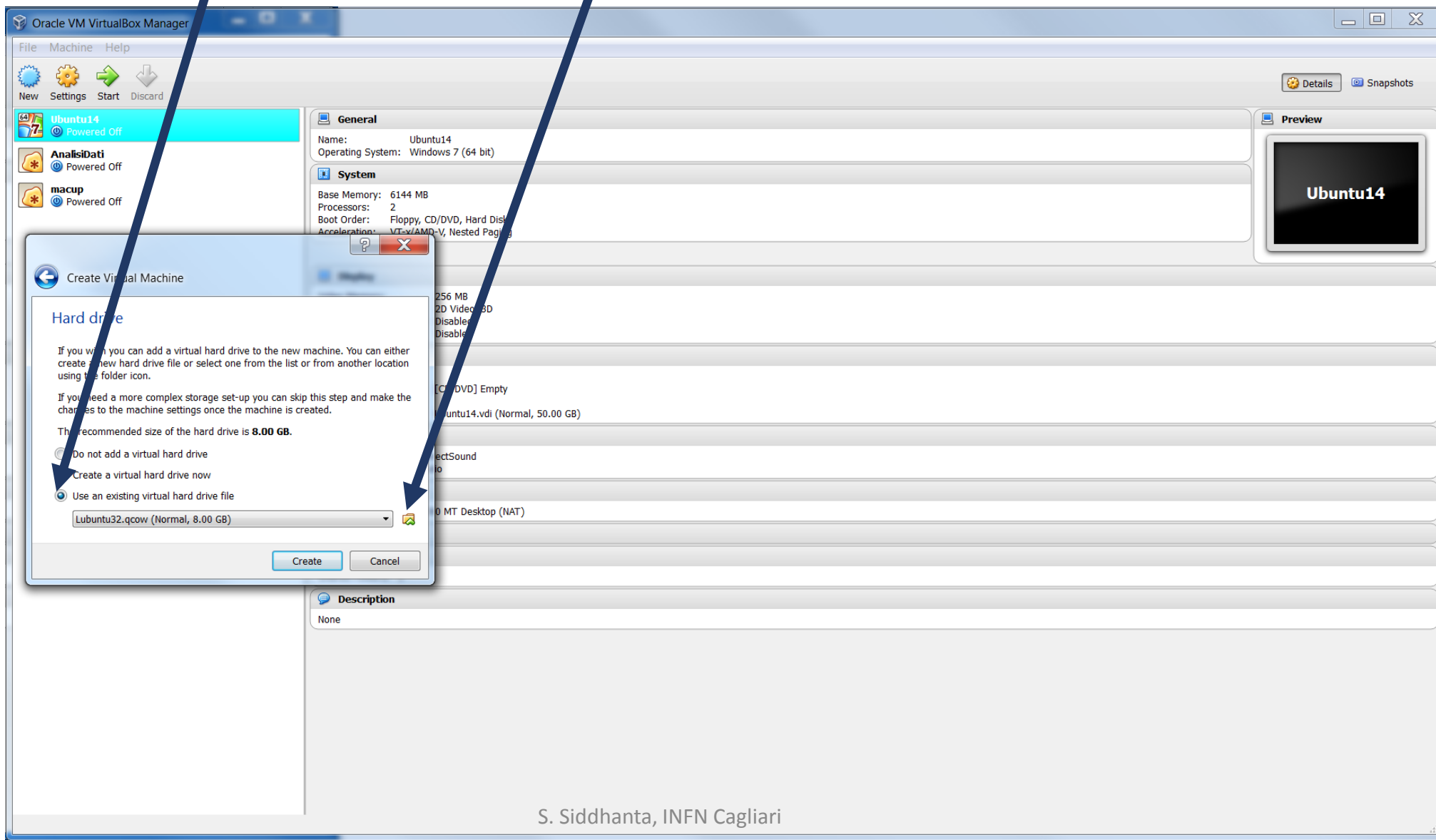
Compilate i campi
e andate avanti



Quanta memoria? Normalmente metà della RAM che avete a disposizione
E' consigliato 1024 MB; deve essere almeno 512 MB. Chi non ha 512 MB a disposizione contattatemi.



Finalmente potete caricare il file (che avete scaricato) `Lubuntu32.qcow`
Selezionate: Use an existing virtual hard drive file e scegliete `Lubuntu32.qcow`
Infine Create la macchina



Oracle VM VirtualBox Manager

File Machine Help

New Settings Start Discard

Ubuntu14 Powered Off

AnalisiDati Powered Off

macup Powered Off

FondInformatica Powered Off

General

Name: FondInformatica
Operating System: Ubuntu (32 bit)

System

Base Memory: 1024 MB
Boot Order: Floppy, CD/DVD, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX

Display

Video Memory: 20 MB
Remote Desktop Server: Disabled
Video Capture: Disabled

Storage

Controller: IDE
IDE Secondary Master: [CD/DVD] Empty
Controller: SATA
SATA Port 0: Lubuntu32.qcow (Normal, 8.00 GB)

Audio

Host Driver: Windows DirectSound
Controller: ICH AC97

Network

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

USB

Shared folders

None

Description

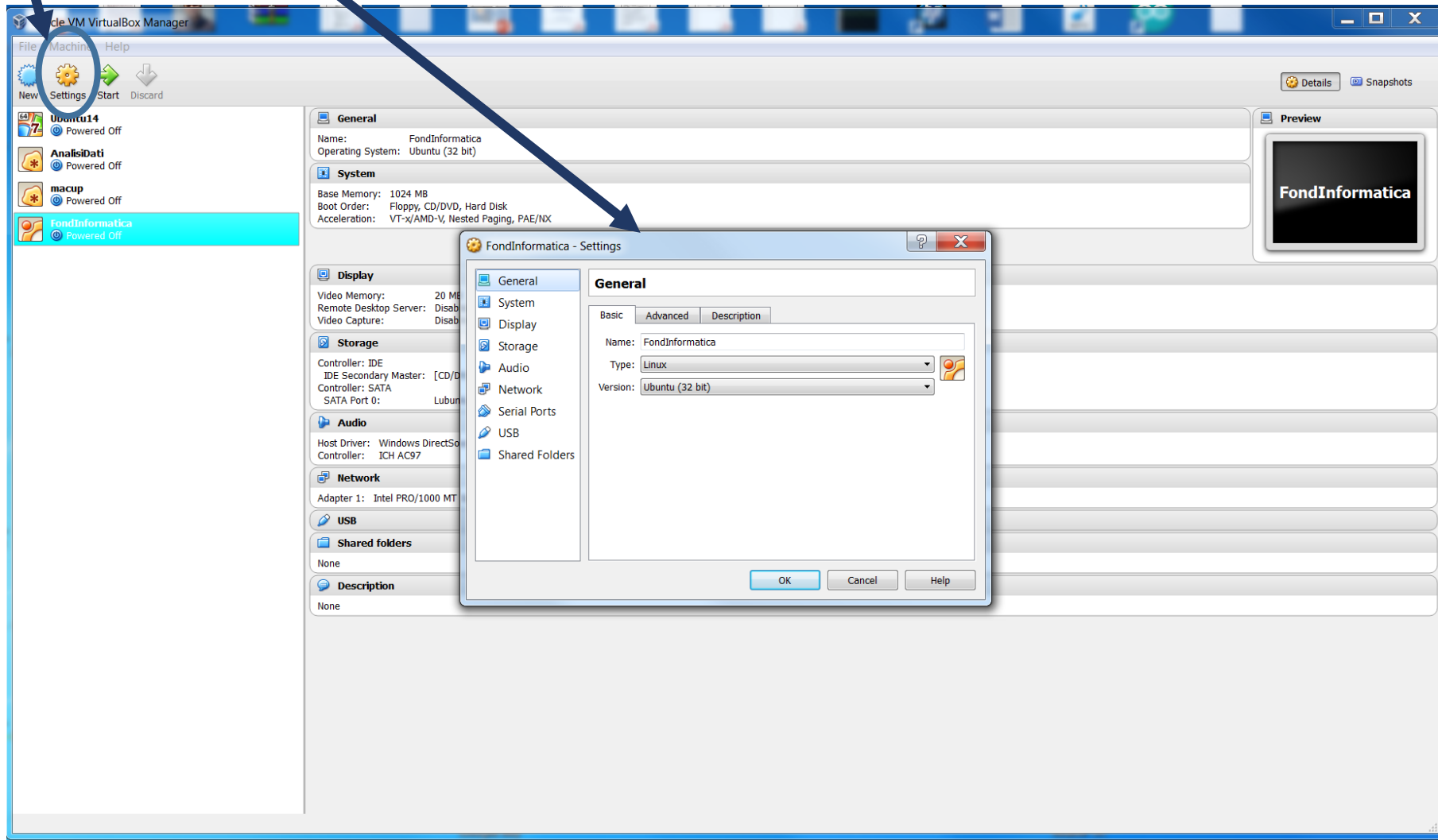
None

Details Snapshots

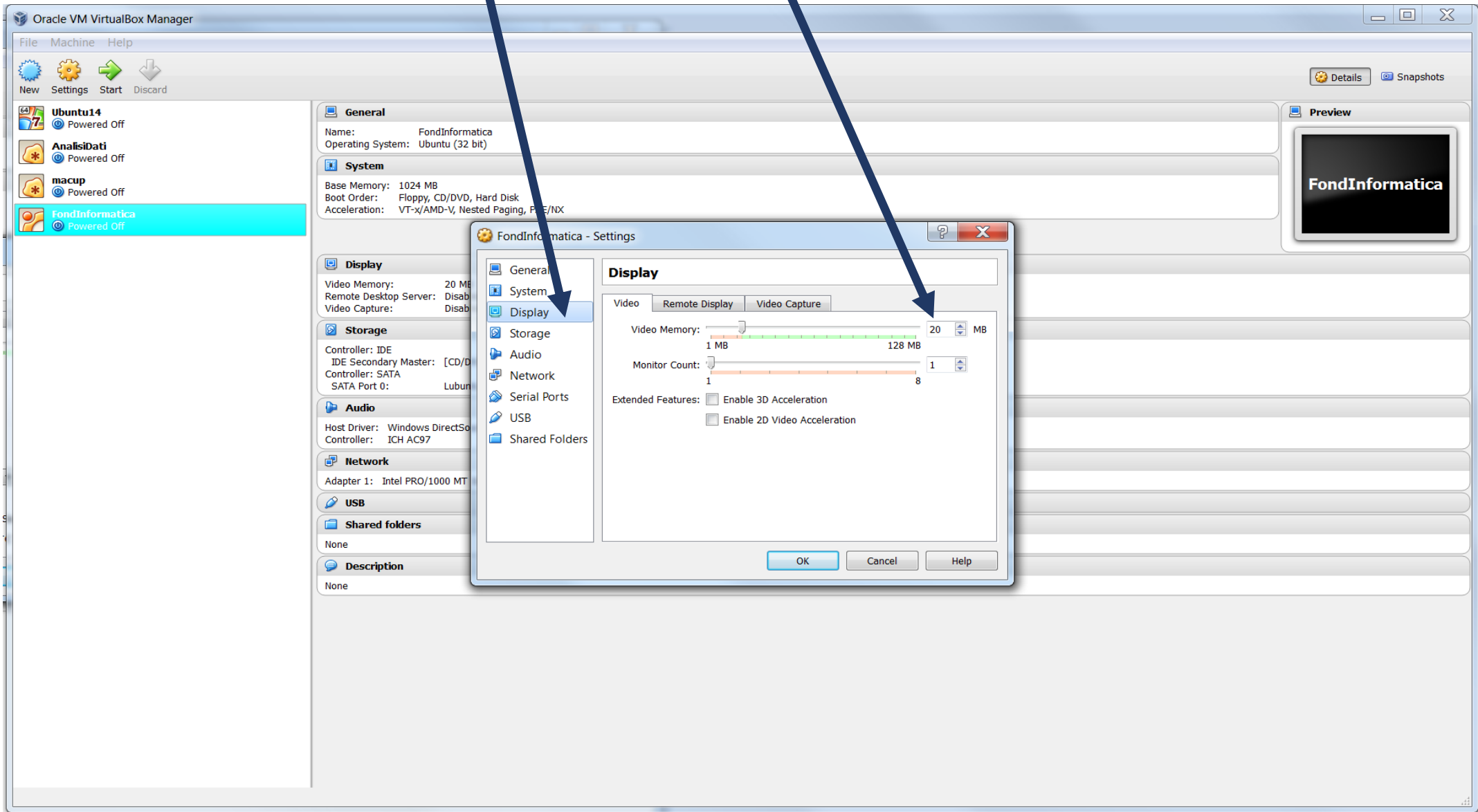
Preview

FondInformatica

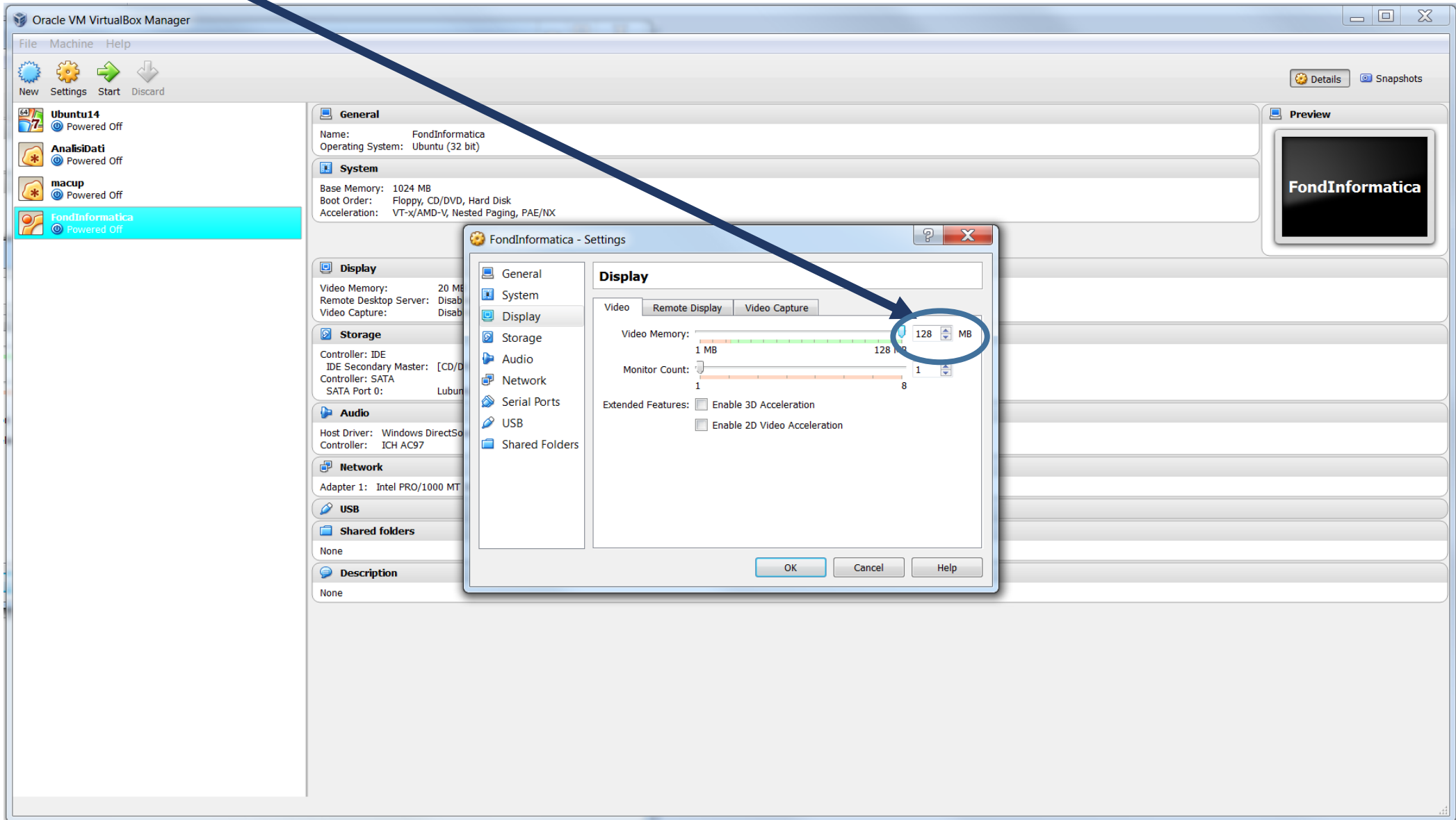
Cliccando Settings apre la finestra del Settings



Nella finestra del settings, cliccando display mostra il video memory settato a 20MB



Bisogna aumentare a 128MB

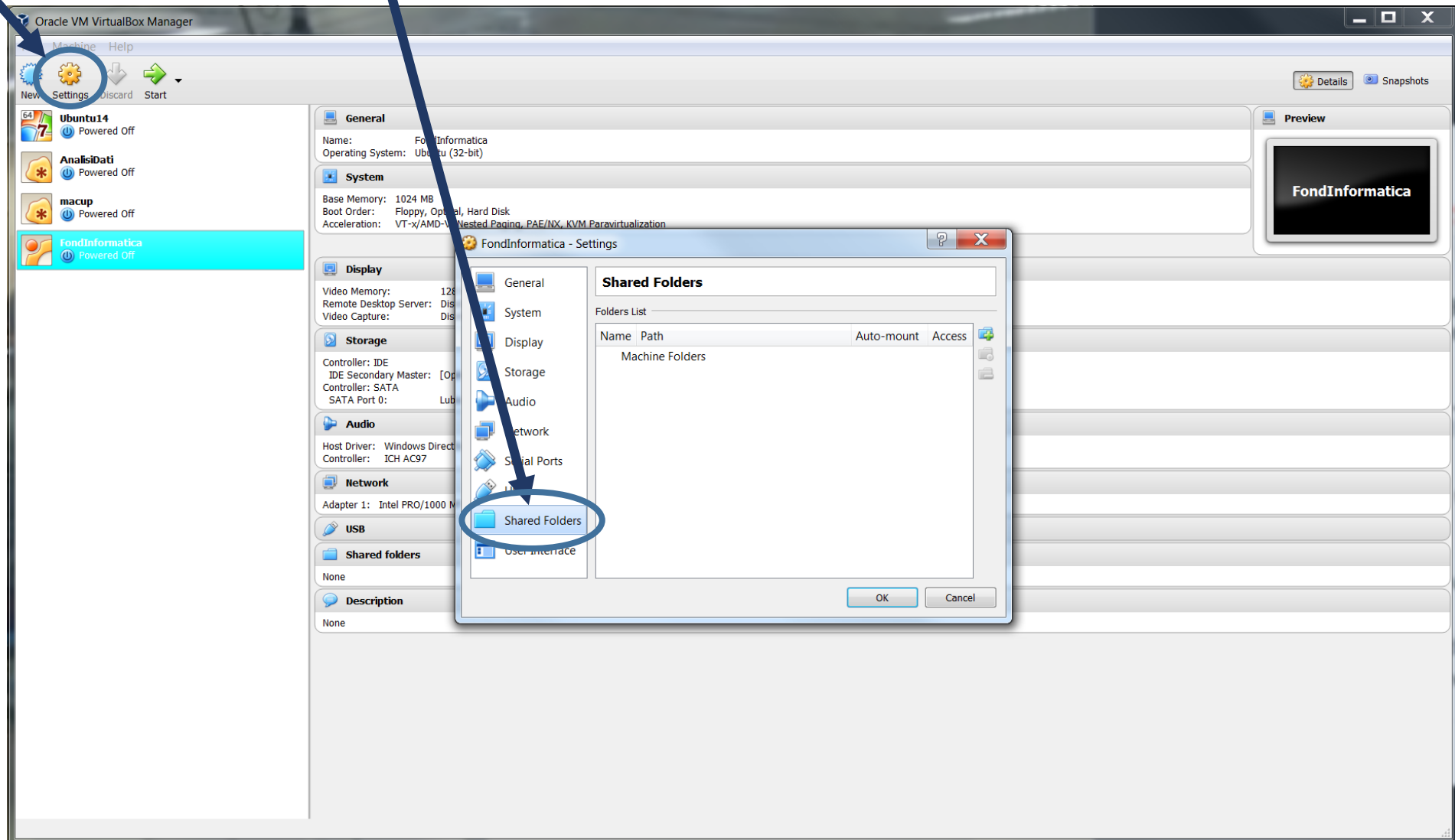


The screenshot shows the Oracle VM VirtualBox Manager interface. On the left, a list of virtual machines includes 'FondInformatica', which is highlighted in blue. The main area displays the settings for this VM, with several fields circled in blue and labeled with text:

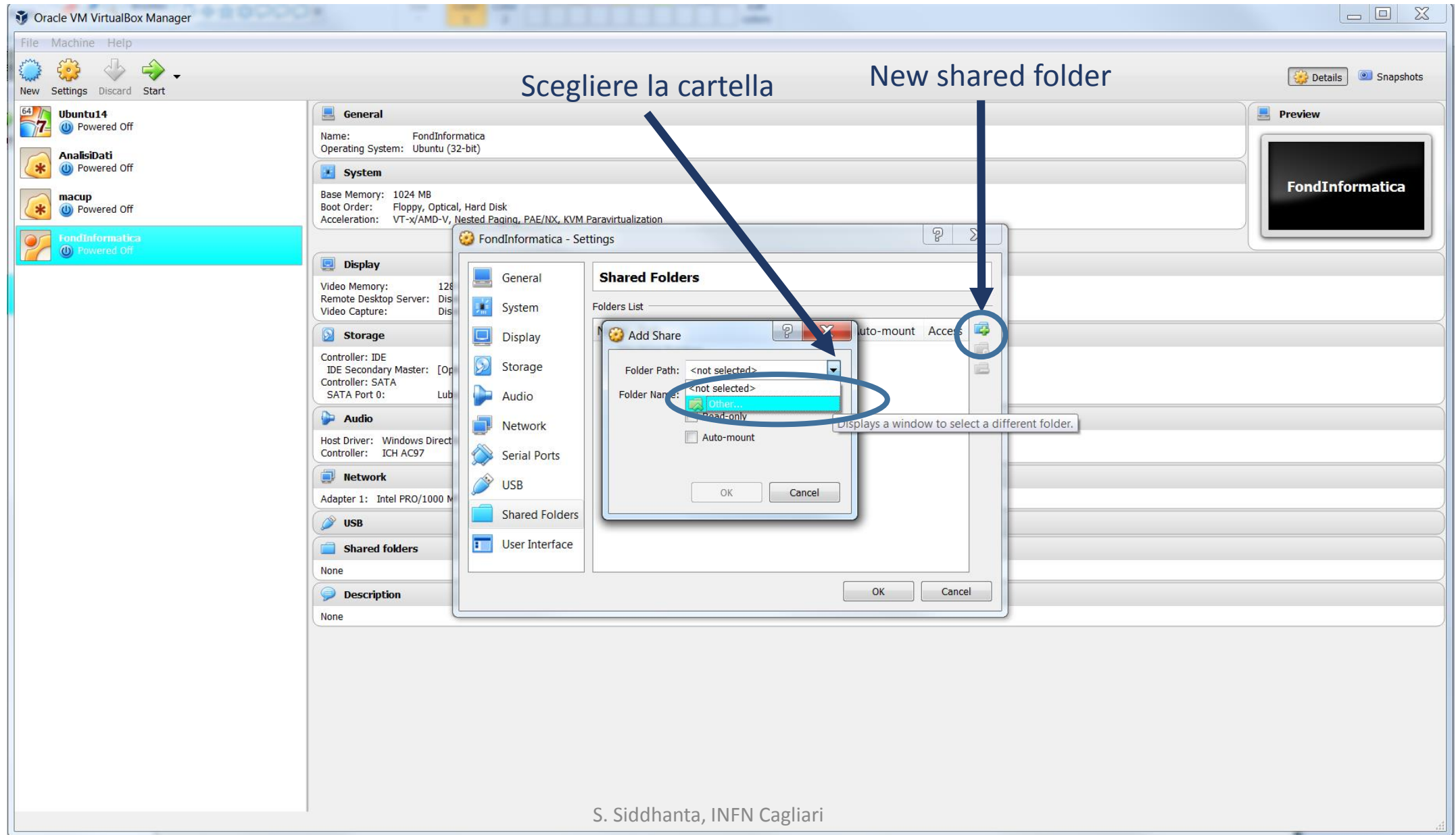
- General:** The 'Name' field contains 'FondInformatica' and is labeled 'Nome'.
- System:** The 'Base Memory' field contains '1024 MB' and is labeled 'Memorie'.
- Display:** The 'Video Memory' field contains '128 MB' and is labeled 'Memorie video'.
- Shared folders:** The field is currently empty and is labeled 'Cartelle condivise – ancora nessuna cartelle condivise'.

Other visible settings include 'Operating System: Ubuntu (32 bit)', 'Video Memory: 128 MB', 'Remote Desktop Server: Disabled', 'Video Capture: Disabled', 'Controller: IDE', 'IDE Secondary Master: [CD/DVD] Empty', 'Controller: SATA', 'SATA Port 0: Lubuntu32.qcow (Normal, 8.00 GB)', 'Host Driver: Windows DirectSound', 'Controller: ICH AC97', 'Adapter 1: Intel PRO/1000 MT Desktop (NAT)', and 'USB'. A preview window on the right shows the VM's display, which currently displays 'FondInformatica'.

Nel settings selezionate Shared Folders

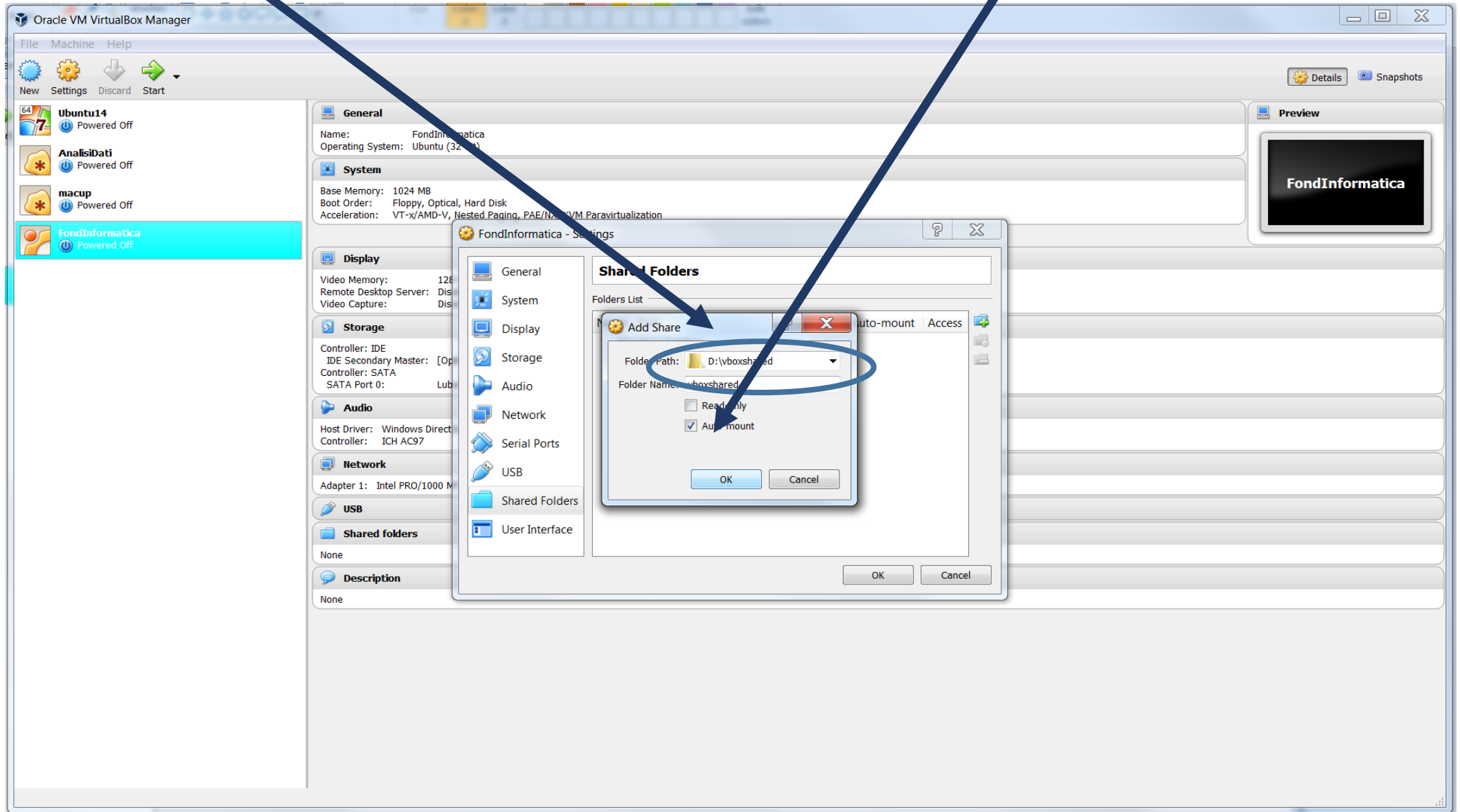


Nella partizione C o D o qualche altra partizione Create una cartella esattamente col nome: **vboxshared**
Nel questo caso, e' stato creato una cartella **D:\vboxshared**

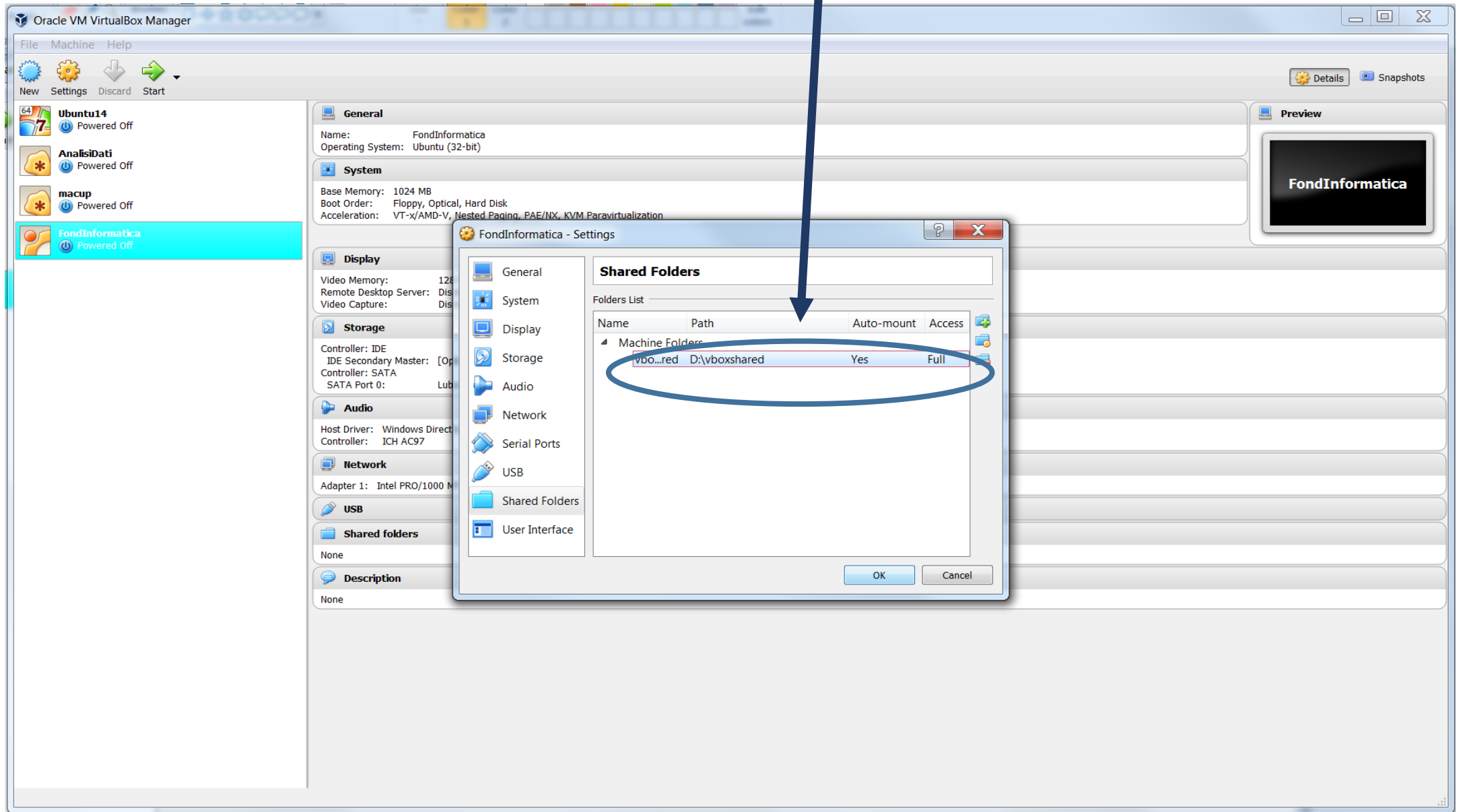


Scegliete la cartella **vboxshared** (questo caso nella partizione D)

Selezionate Auto-mount e poi OK



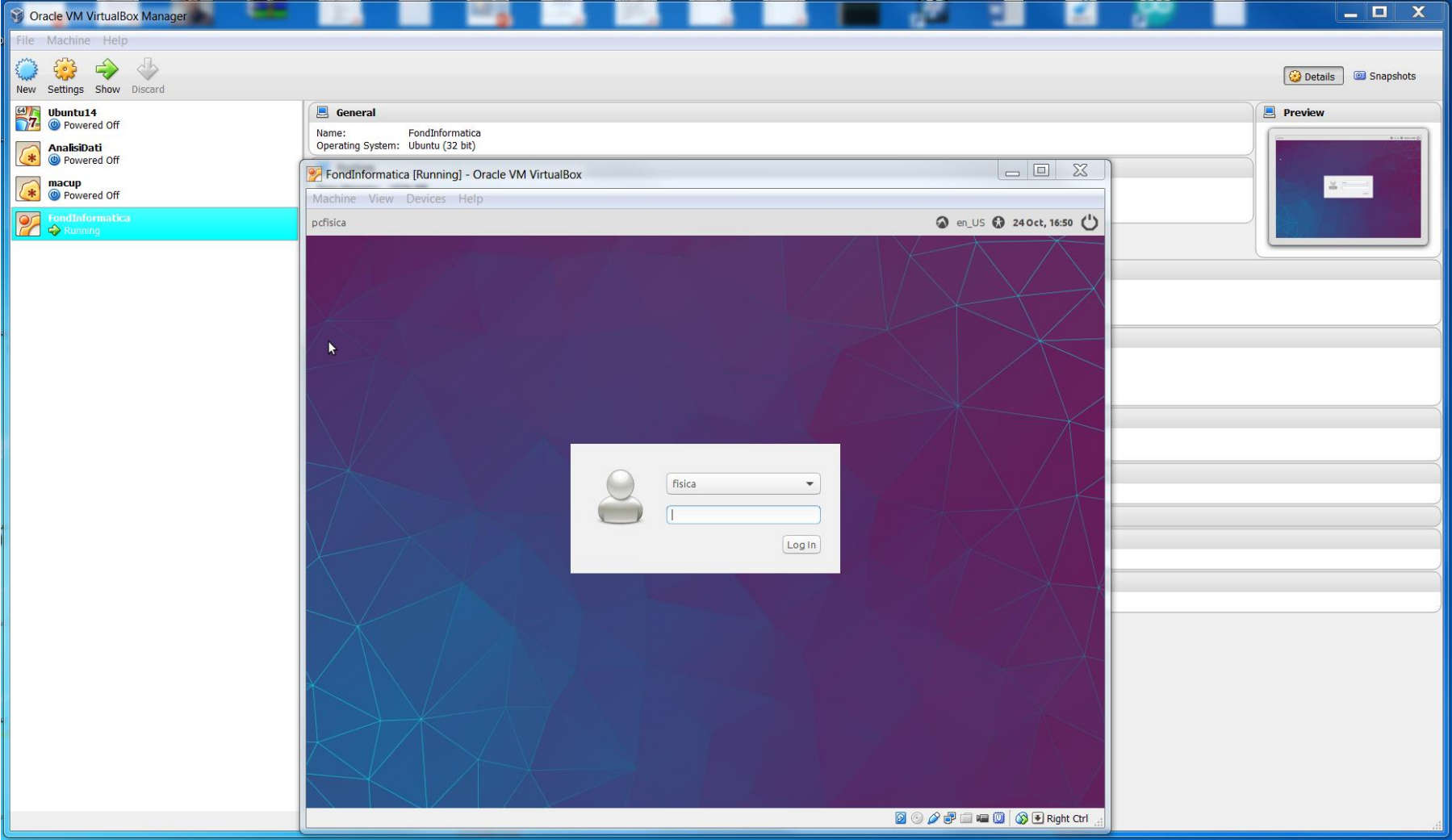
E' stato creato Shared Folder



A questo punto possiamo far partire la nostra macchina virtuale

User: fisica

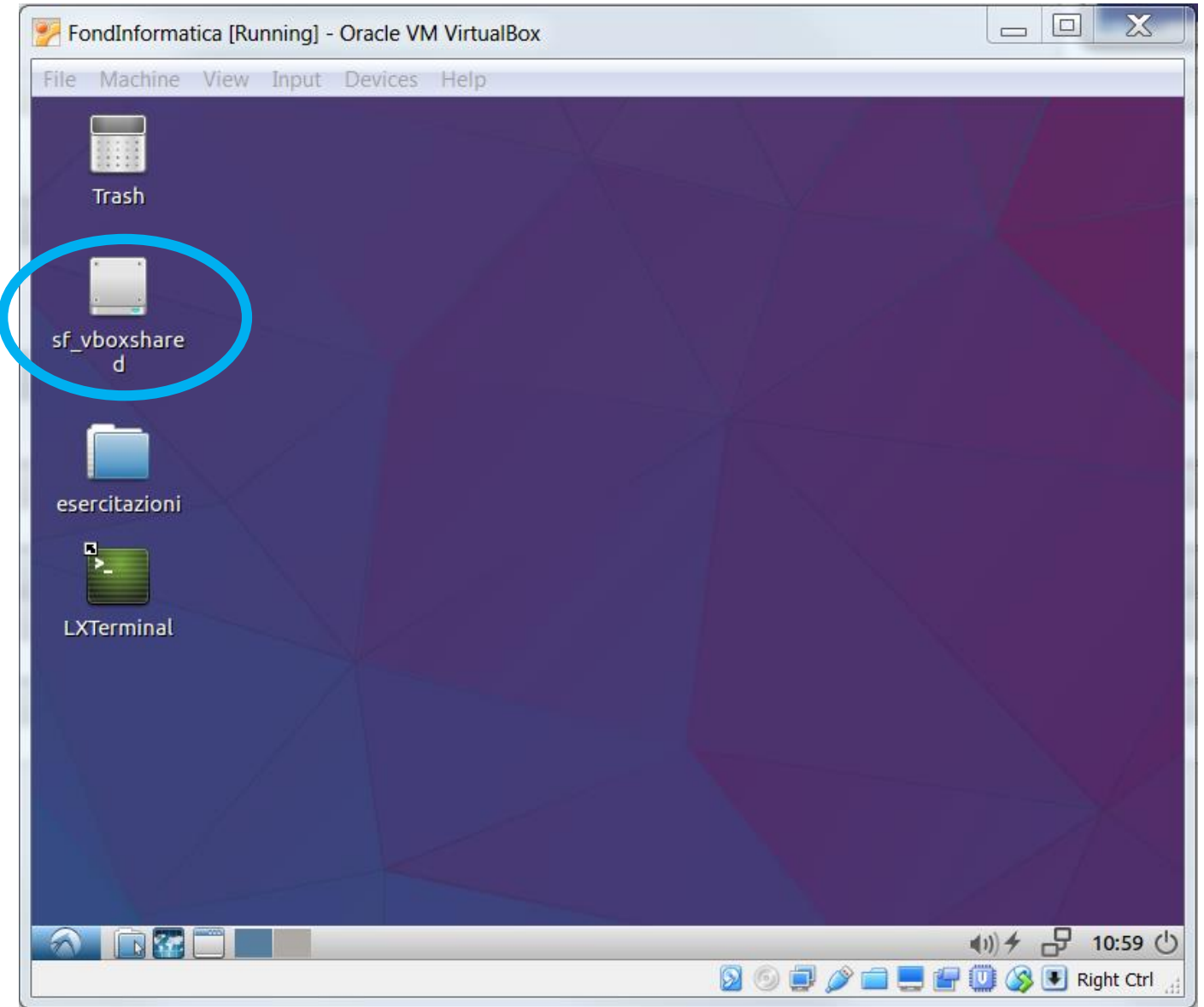
password: fisica



Cartella condivisa:
sf_vboxshared

I file che mettiamo
dentro questa
cartella si trovano
anche nella cartella
D:\vboxshared

E' un modo per
trasferire i file dalla
macchina virtuale
alla macchina reale
(nel questo caso dal
linux al windows).

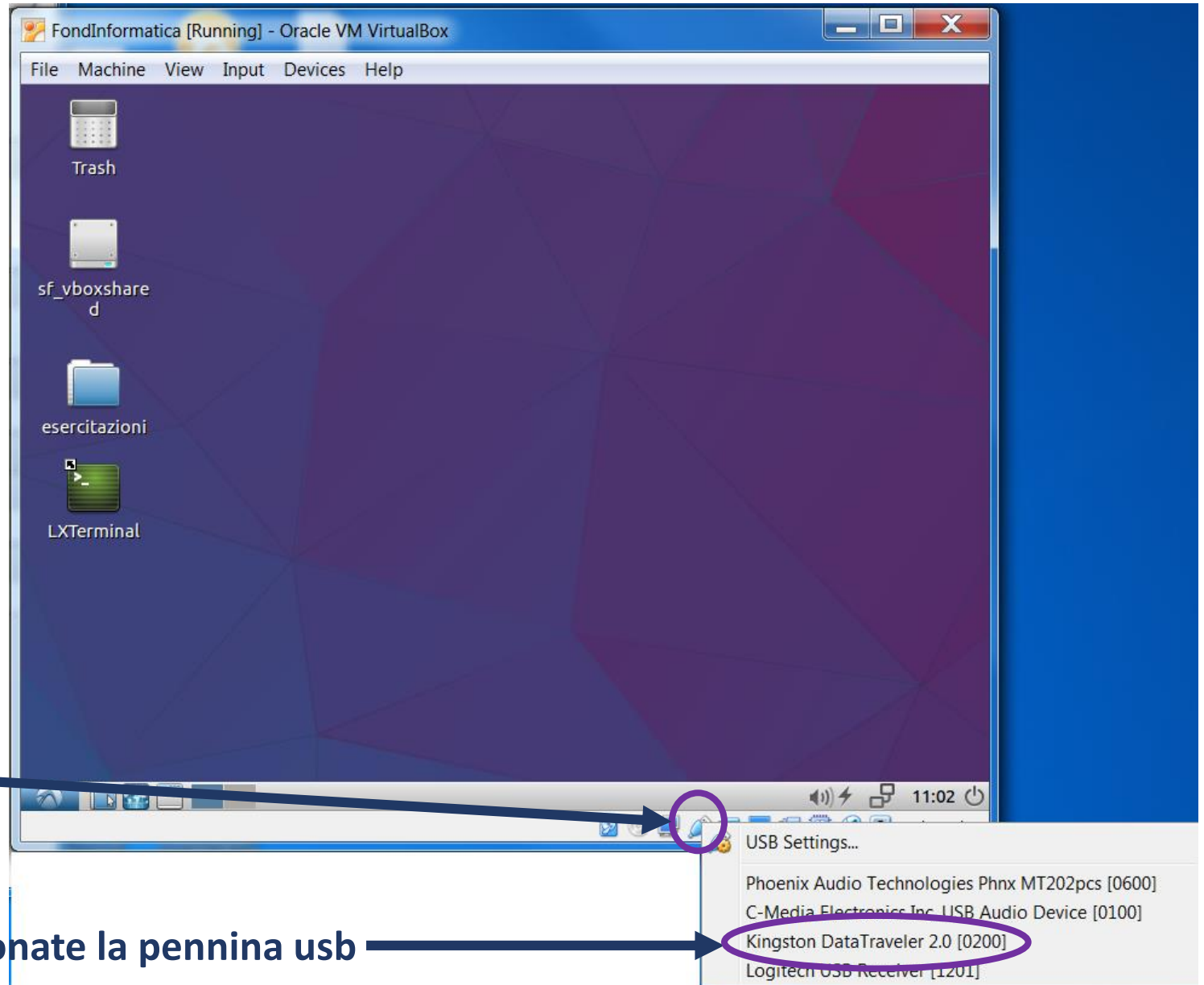


Il trasferimento puo essere eseguito anche utilizzando la pennina usb

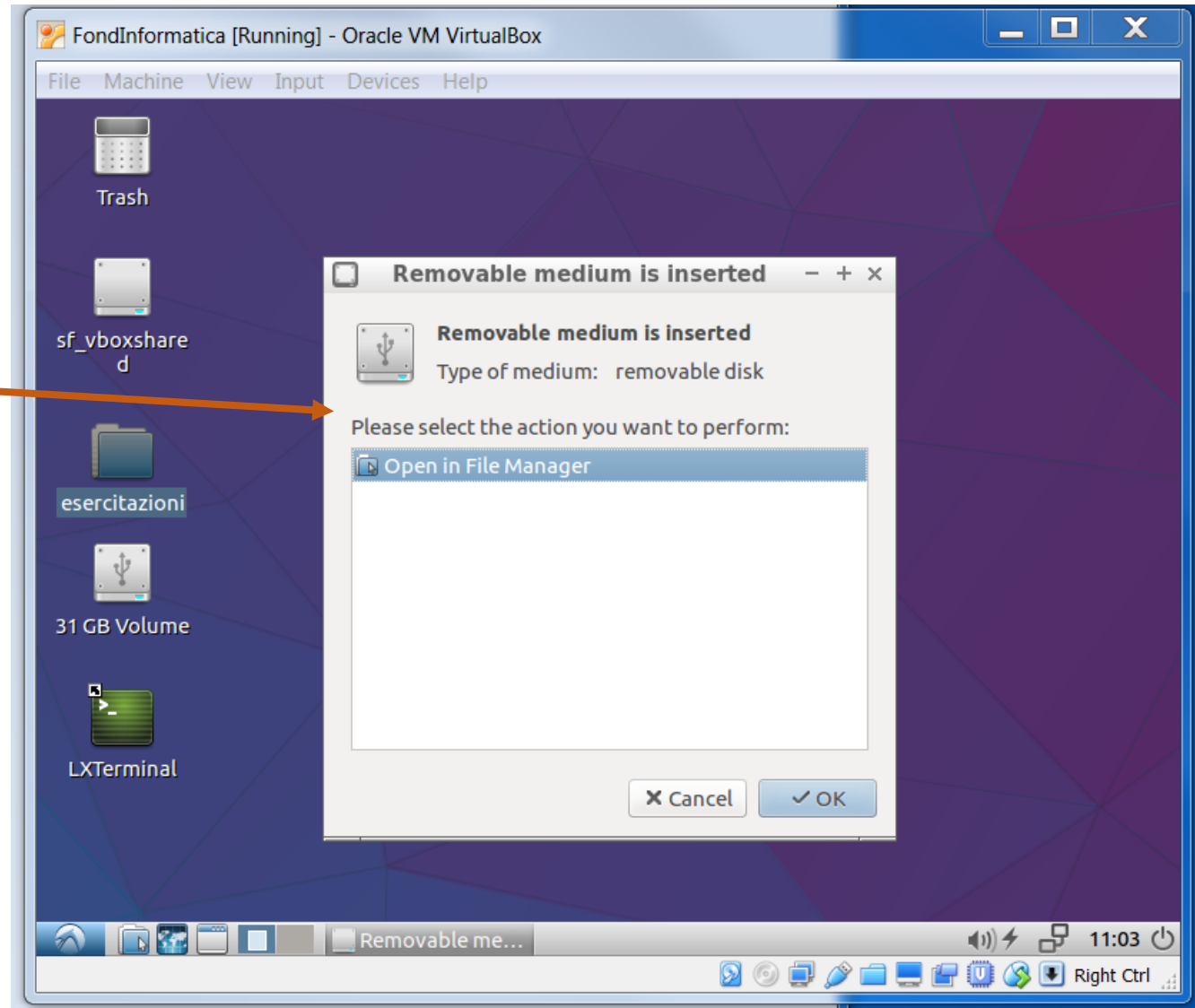
Chiudete la cartella della pennina nell'OS host (questo caso windows) per accedere dall'OS guest (linux).

Clicca l'icona con il tasto destro – apre la lista degli dispositivi usb

Selezionate la pennina usb



Aprire la finestra per accedere
la pennina usb.
Cliccate OK.



Siamo pronti a partire

Cartella condivisa

Cartella 'esercitazioni'
dove mettiamo i programmi

Pennina usb

Terminal

