

VirtualBox & Linux

Istruzioni per l'installazione di VirtualBox e la creazione di una macchina virtuale Linux versione Ubuntu Desktop simile a quella delle aule informatiche

Scaricare l'ultima versione di VirtualBox da www.virtualbox.org



The screenshot shows the Oracle VM VirtualBox website in a Mozilla Firefox browser window. The browser's address bar displays the URL <https://www.virtualbox.org>. The website's header features the VirtualBox logo on the left and a search bar on the right. The main content area is titled "VirtualBox" and includes a "Welcome to VirtualBox.org!" message. A large blue button at the bottom center reads "Download VirtualBox 5.1". To the right of the main content, a "News Flash" section lists recent updates, including the release of VirtualBox 5.2 Release Candidate 1 and VirtualBox 5.1.28. The left sidebar contains links for "About", "Screenshots", "Downloads", "Documentation", "End-user docs", "Technical docs", "Contribute", and "Community". The browser's status bar at the bottom shows the URL <https://www.virtualbox.org/wiki/Downloads>.

Oracle VM VirtualBox - Mozilla Firefox

Oracle VM VirtualBox x +

https://www.virtualbox.org

Search

Most Visited Getting Started



VirtualBox

search...
Login Preferences

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

Presently, VirtualBox runs on Windows, Linux, Macintosh, 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, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

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 5.1

Download VirtualBox 5.1

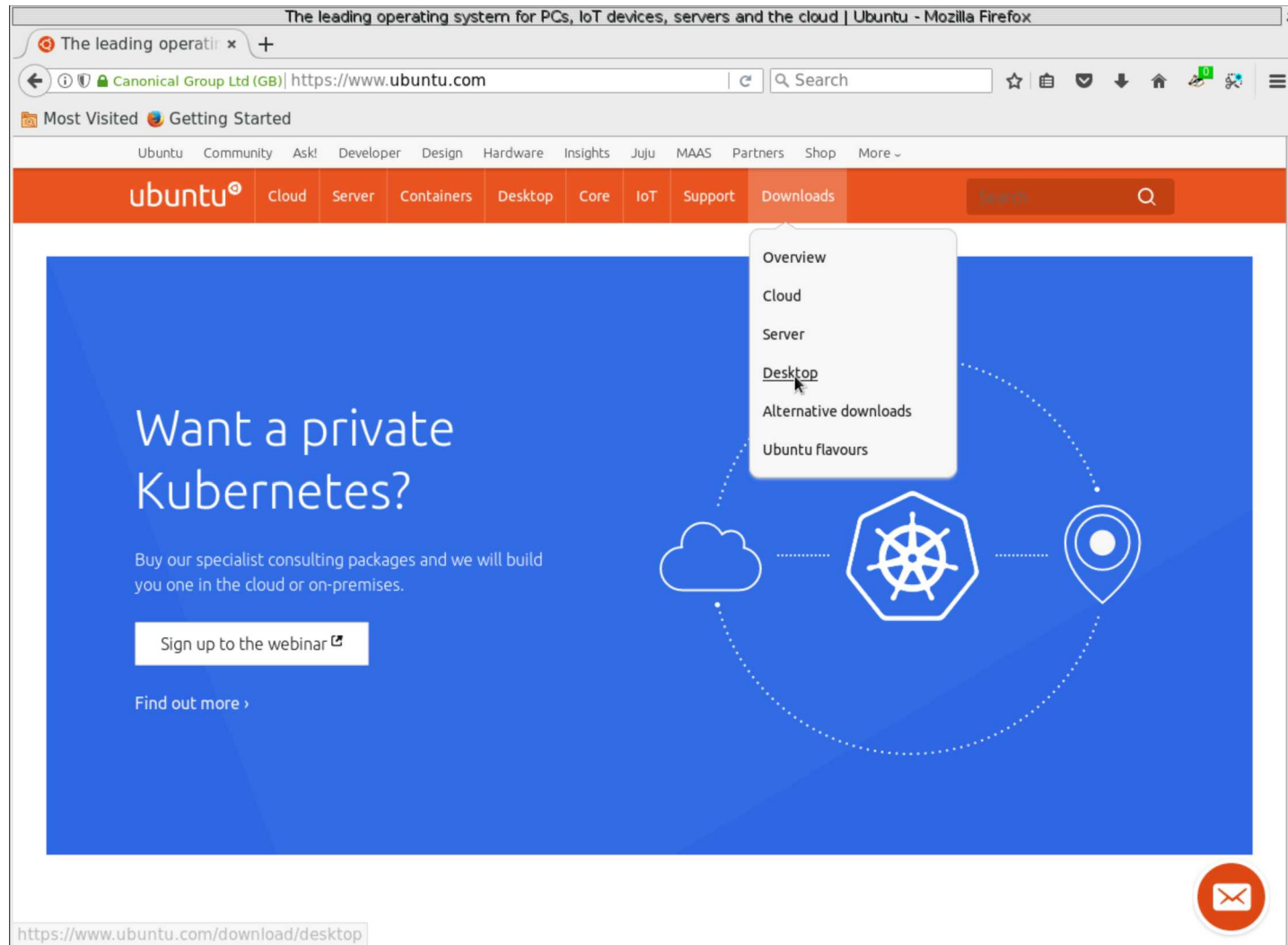
News Flash

- New September 30th, 2017 VirtualBox 5.2 Release Candidate 1 available for testing!**
Oracle today makes the first release candidate available for the upcoming new minor release, VirtualBox 5.2. See [this](#) announcement for details.
- New September 14th, 2017 VirtualBox 5.1.28 released!**
Oracle today released a 5.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- Important December 2nd, 2016 We're hiring!**
Looking for a new challenge? We're looking for a [System administrator\(Germany\)](#).
- New July 12th, 2016 VirtualBox 5.1 released!**
Many enhancements and improvements. Read more in the [announcement](#).

[More Information...](#)

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

Scaricare Ubuntu Desktop da www.ubuntu.com

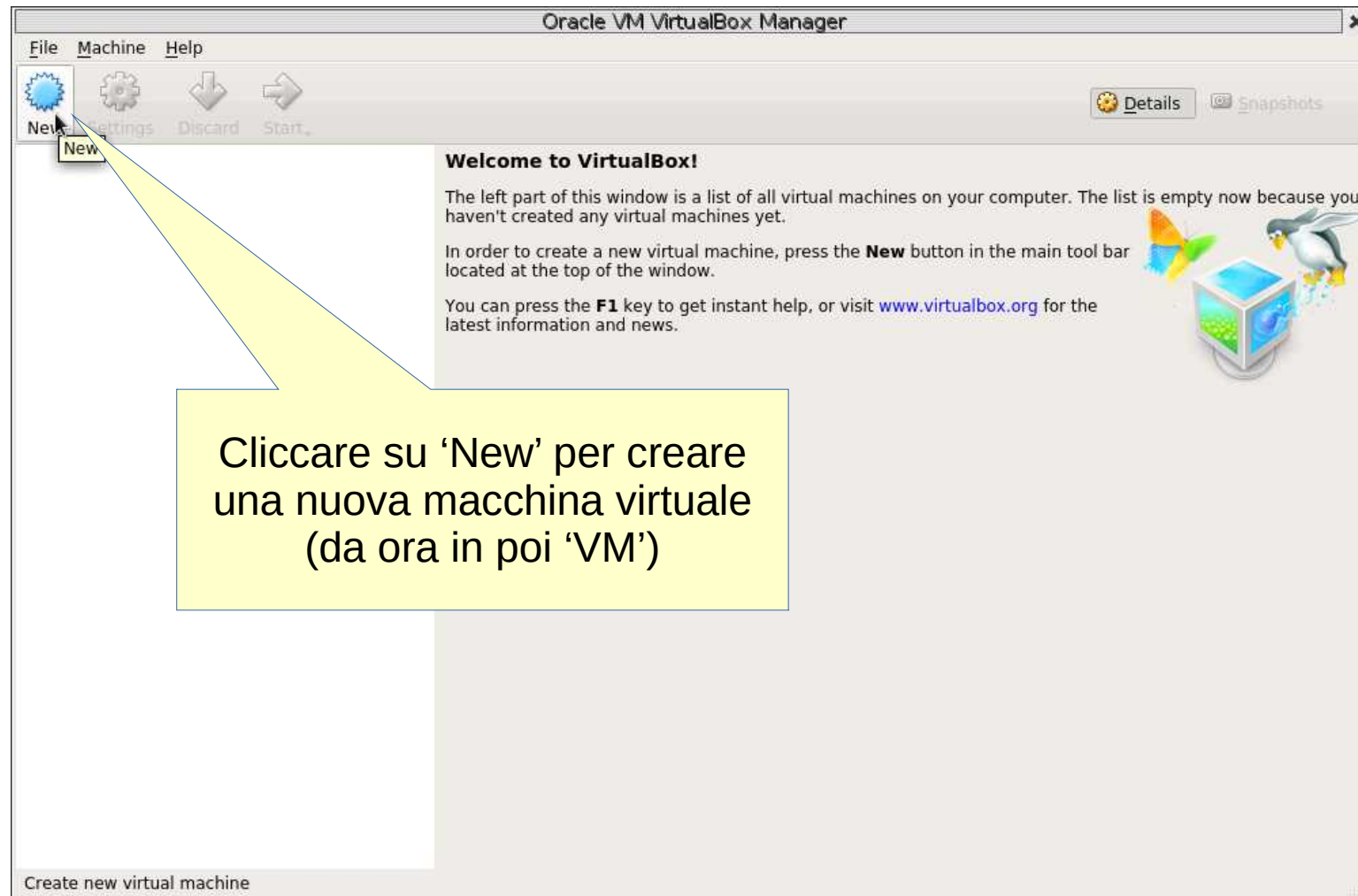


Scegliete la versione LTS (16.04....)

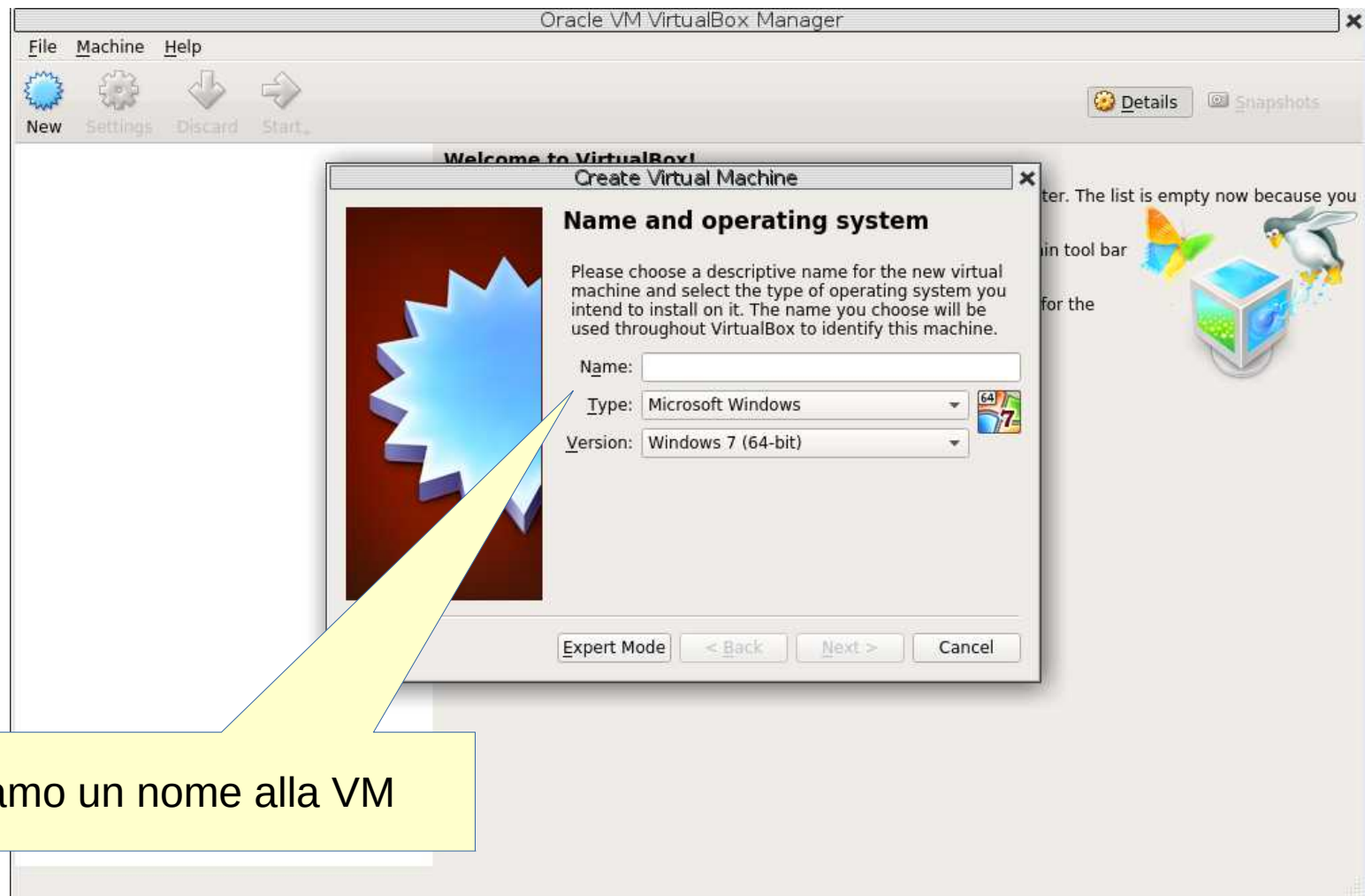
La pagina di download di Linux Ubuntu vi chiederà se volete fare una donazione.

Potete saltare questo passaggio cliccando su 2 link:
uno all'inizio della pagina oppure uno alla fine della pagina.

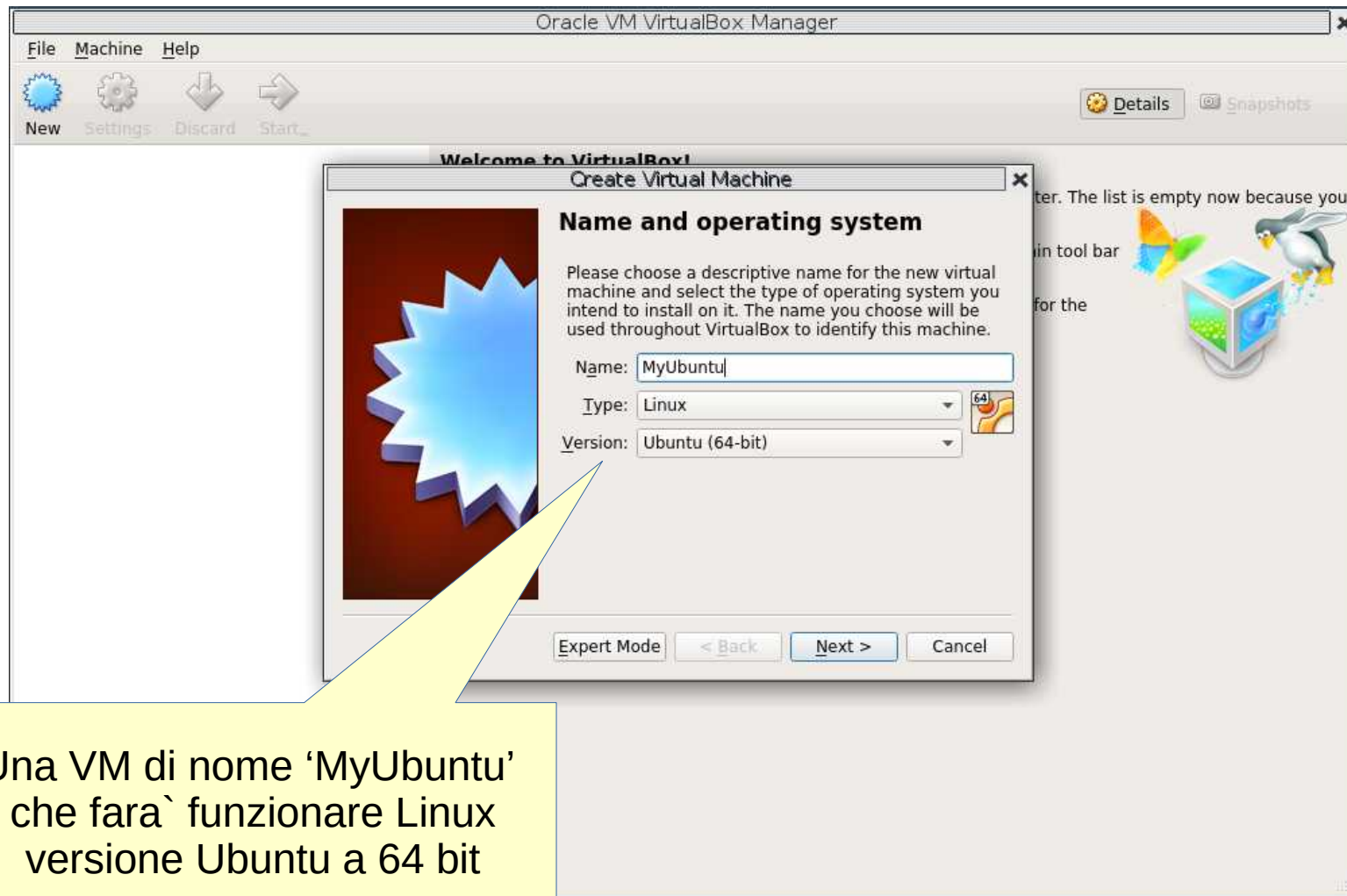
Avviare VirtualBox



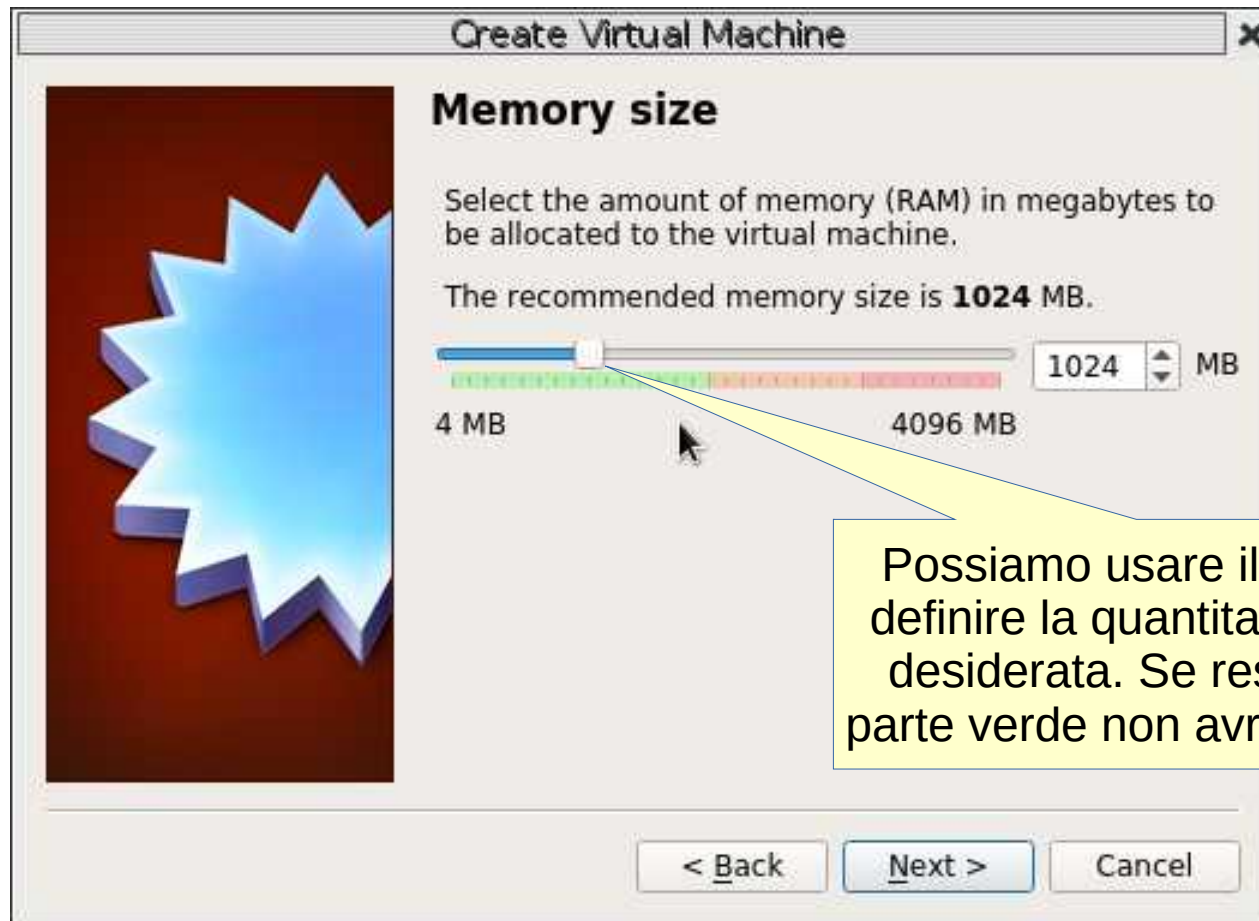
Definire la nostra VM



Parametri di base



Quanta RAM vogliamo per la VM?

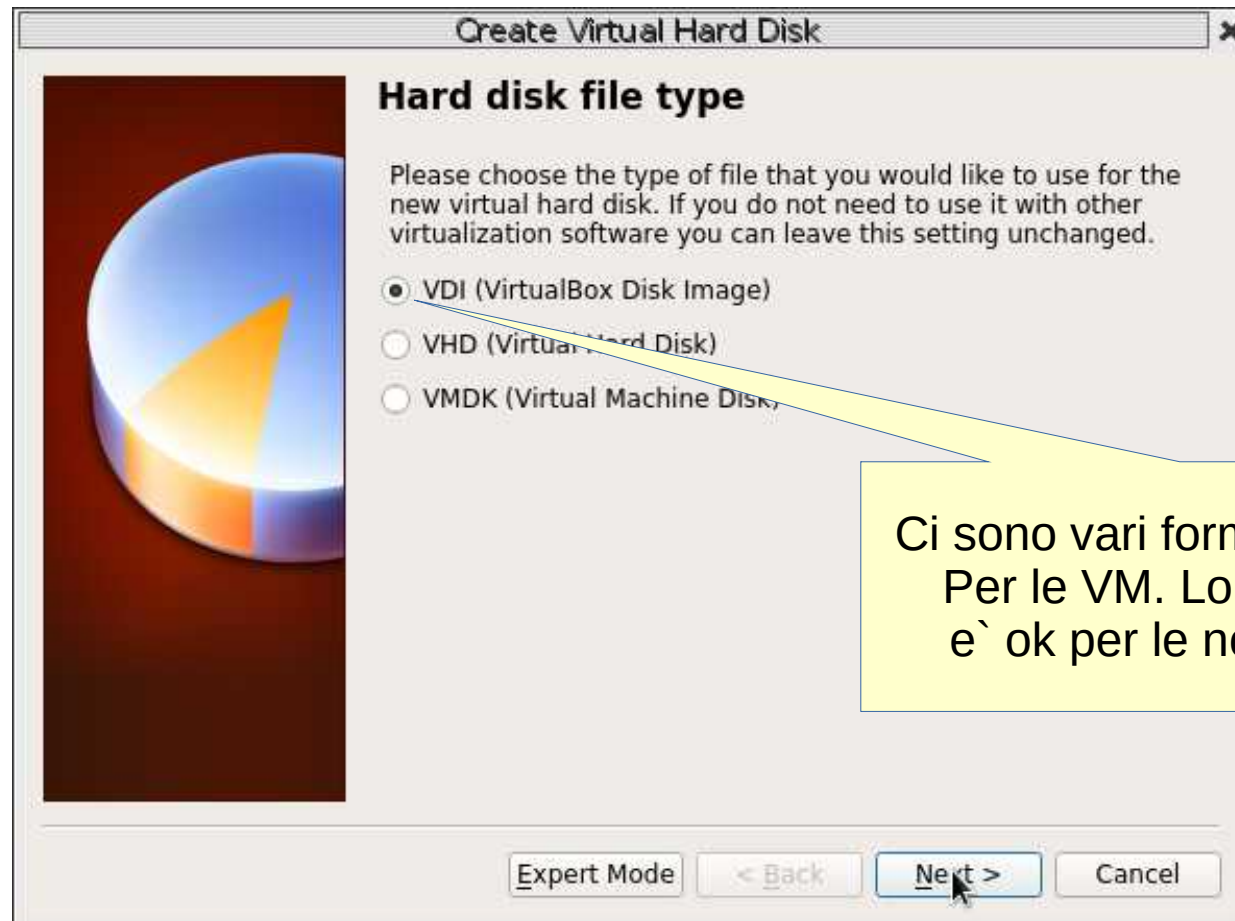


Creare un disco fisso per la VM

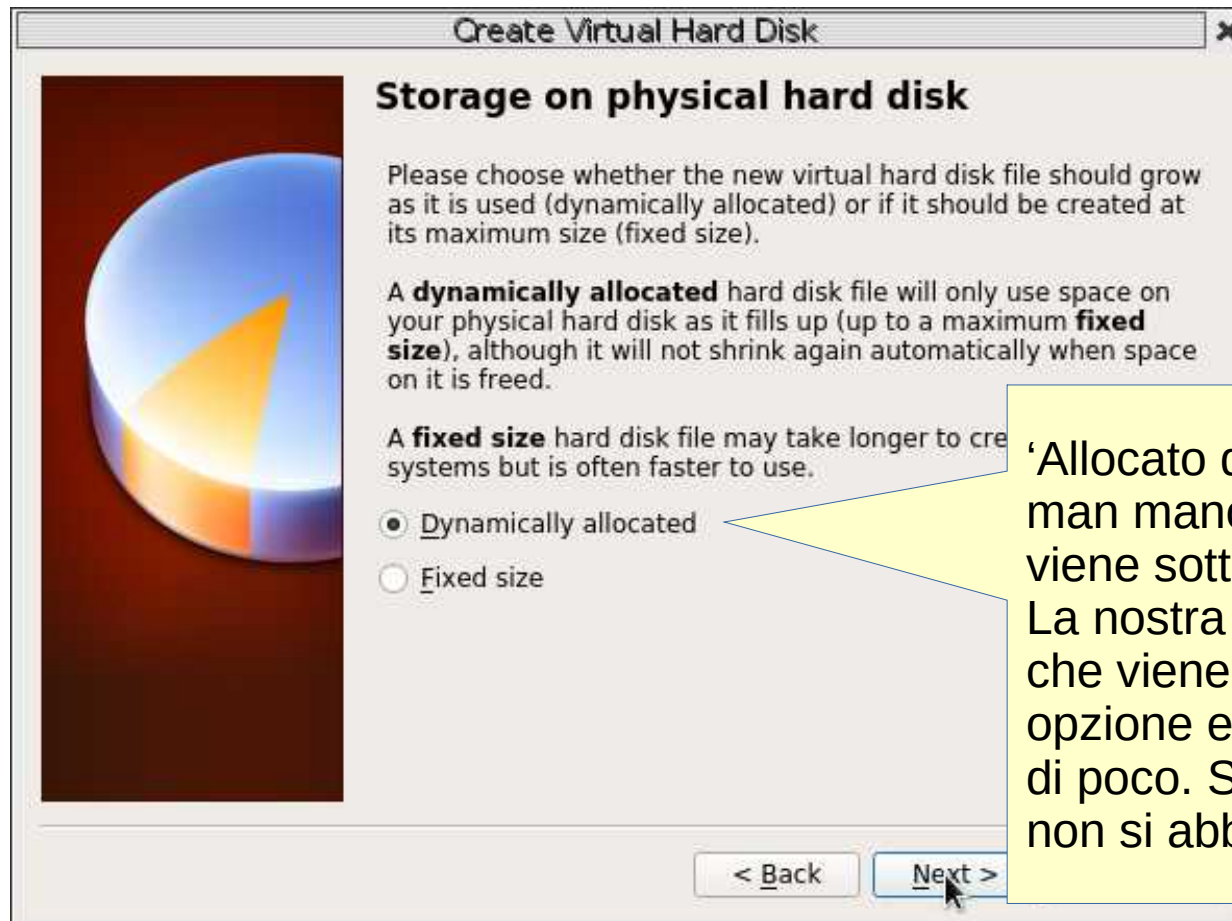


Dobbiamo creare un disco fisso per poter lavorare come se fossimo in aula

Che tipo di disco fisso?



Come riserviamo lo spazio?

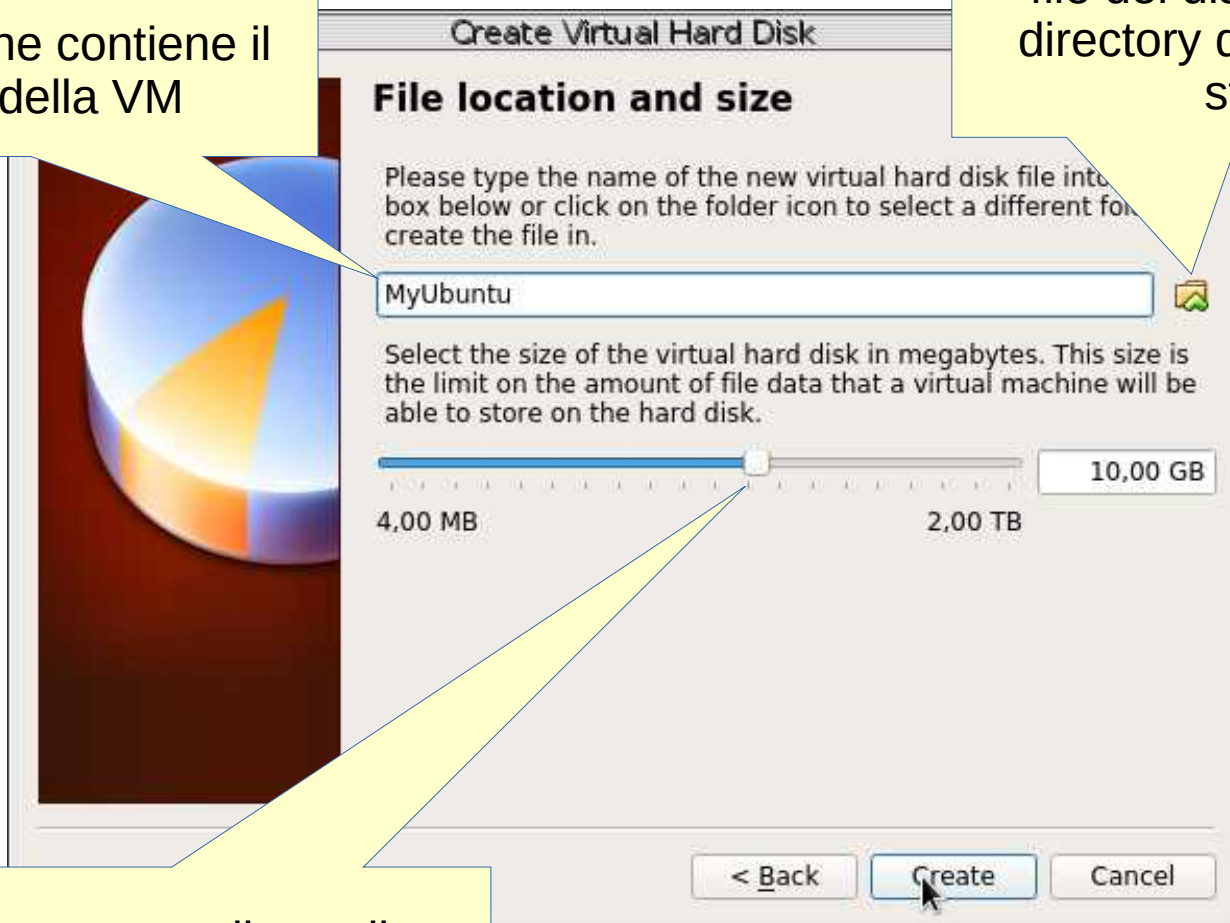


‘Allocato dinamicamente’ significa che man mano che serve lo spazio disco viene sottratto alla macchina che ospita la nostra VM. ‘Fixed size’ significa che viene preso subito tutto. La seconda opzione è da prestazioni migliori ma di poco. Scegliere la prima a meno che non si abbiano esigenze particolari

Quanto spazio riserviamo per l'HD?

Nome del file che contiene il disco fisso della VM

Volendo possiamo mettere il file del disco fisso in una directory diversa da quella standard

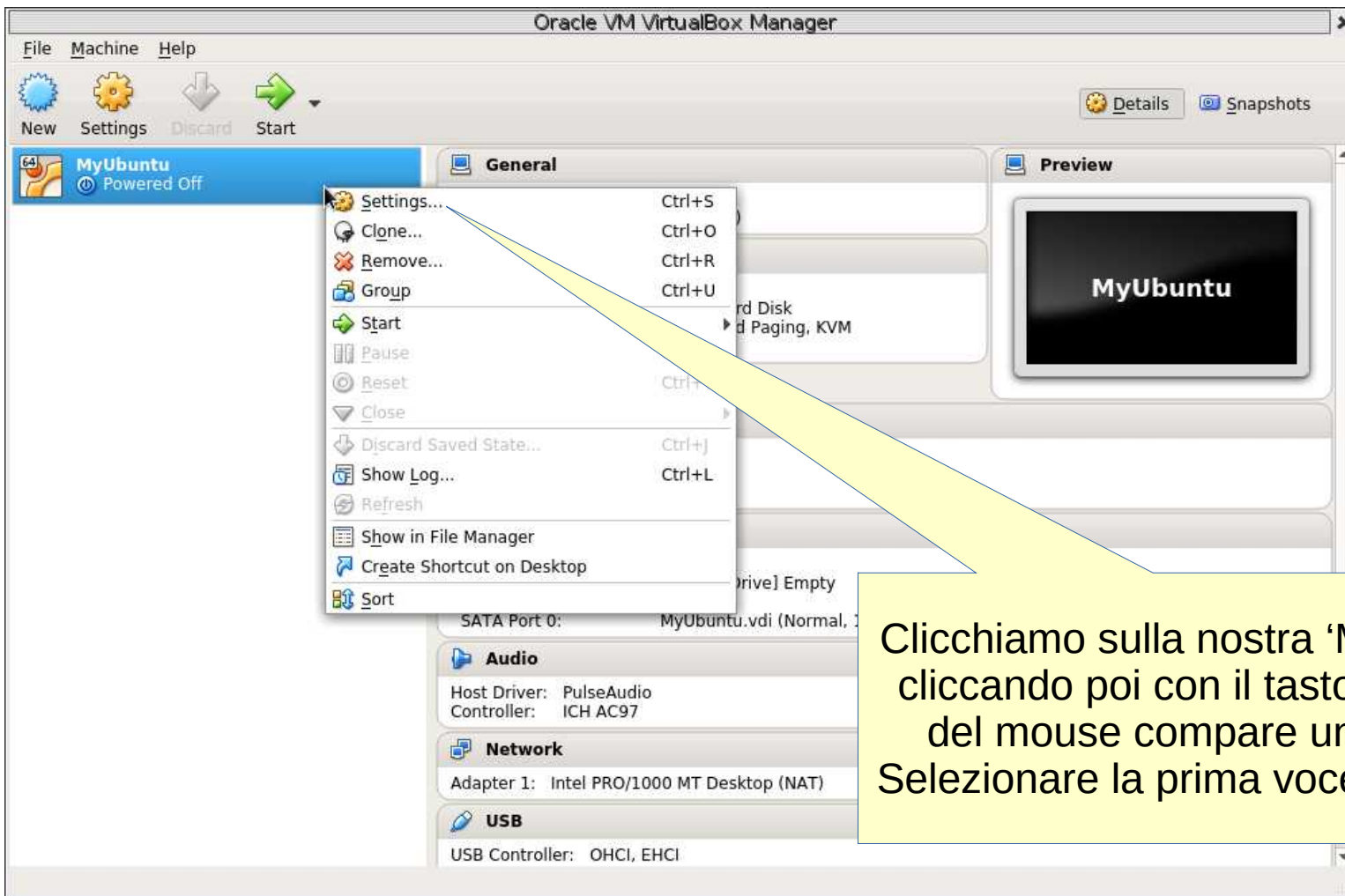


Il cursore ci permette di scegliere la dimensione massima del disco fisso per la nostra VM

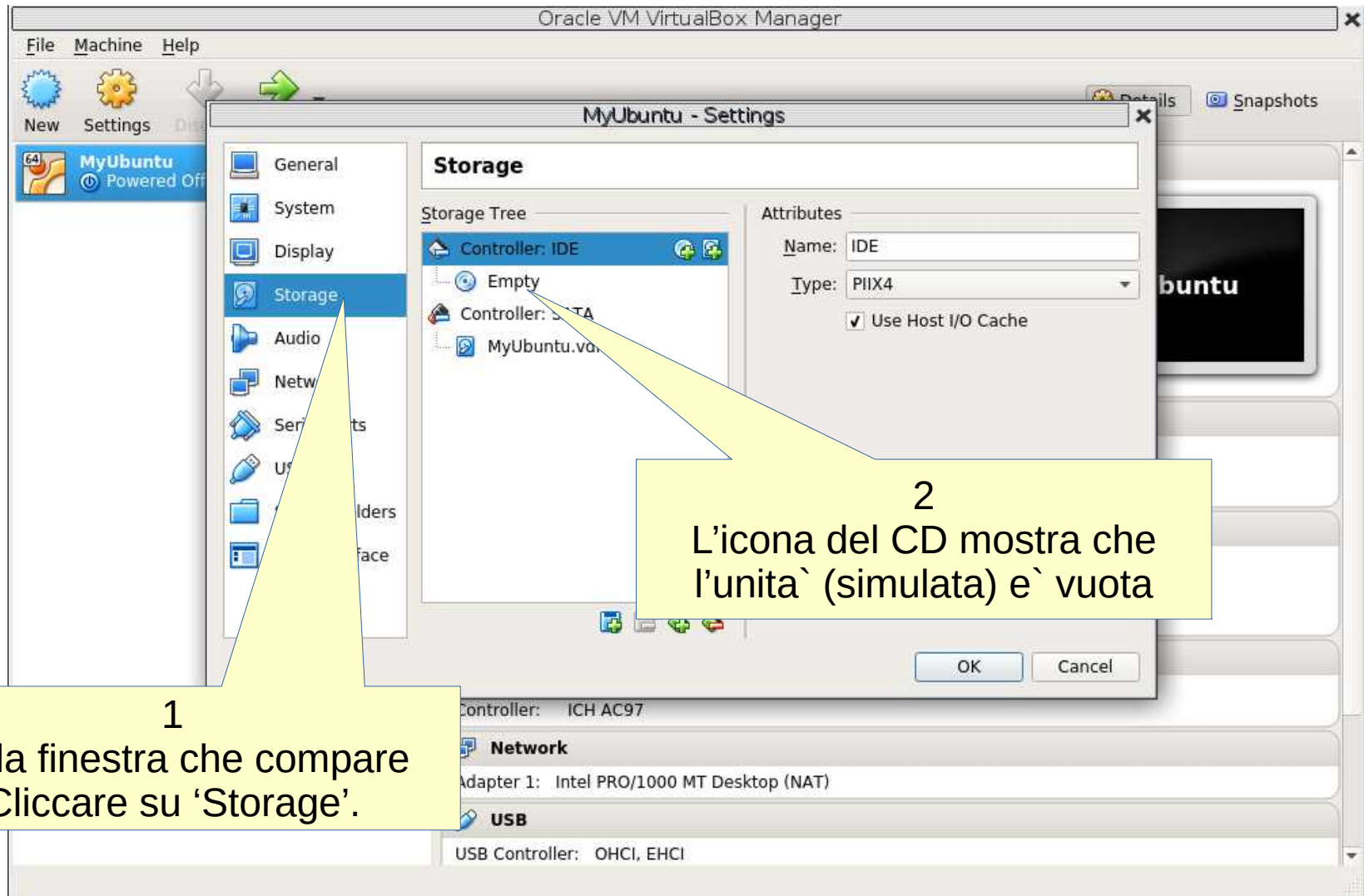
Macchina virtuale creata!



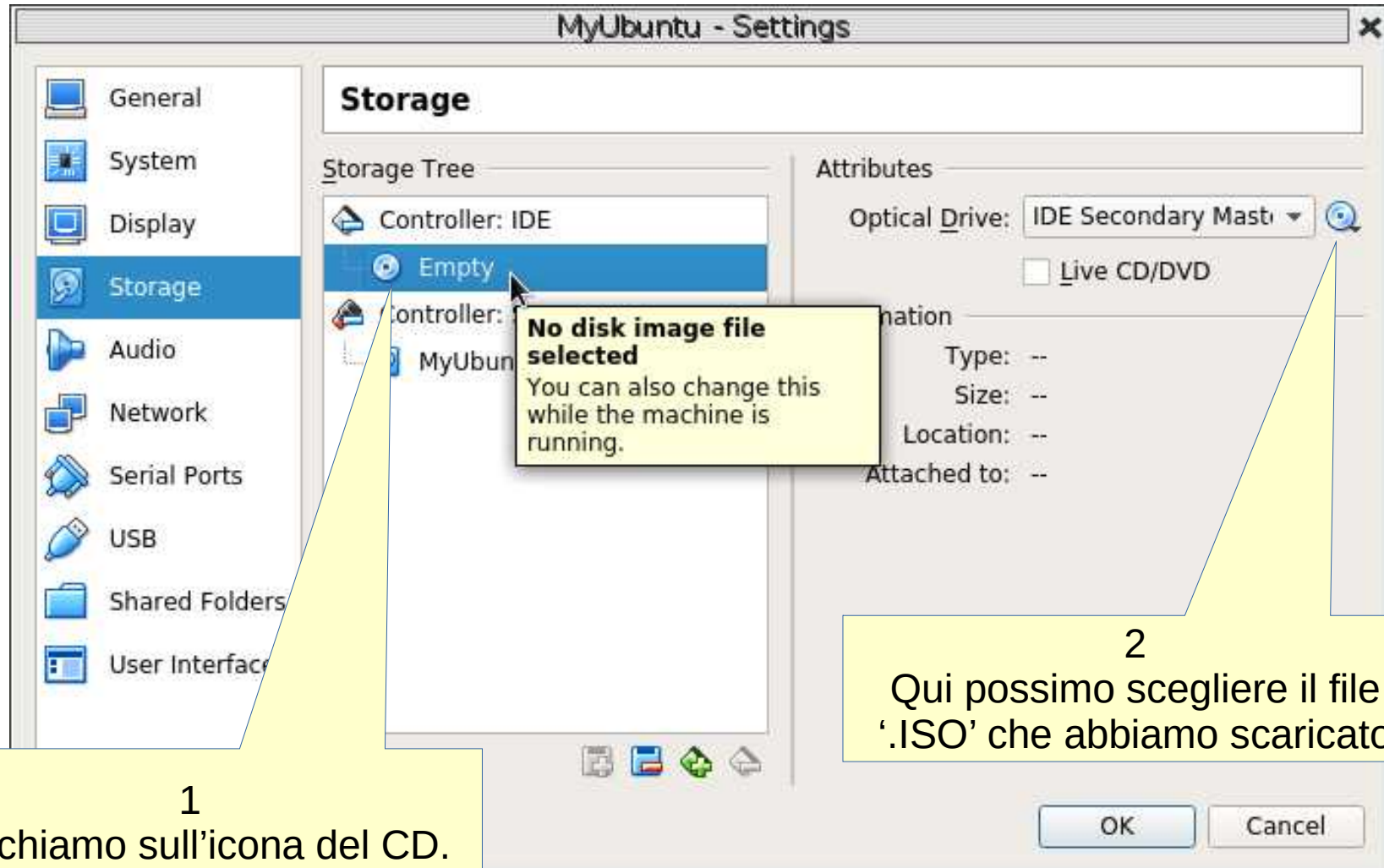
Aggiungere il CD di Ubuntu



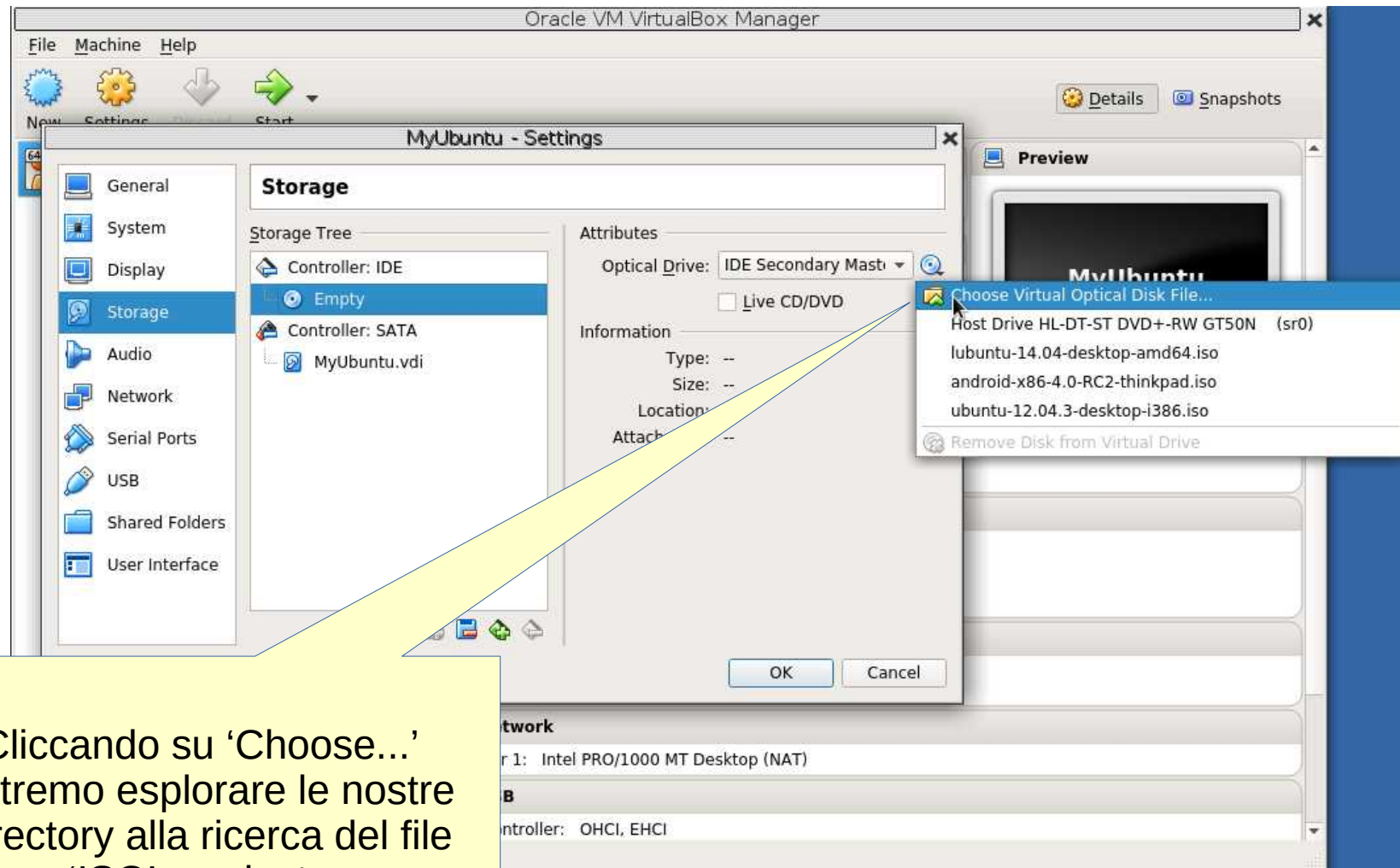
Scegliere il CD: 1



Scegliere il CD: 2

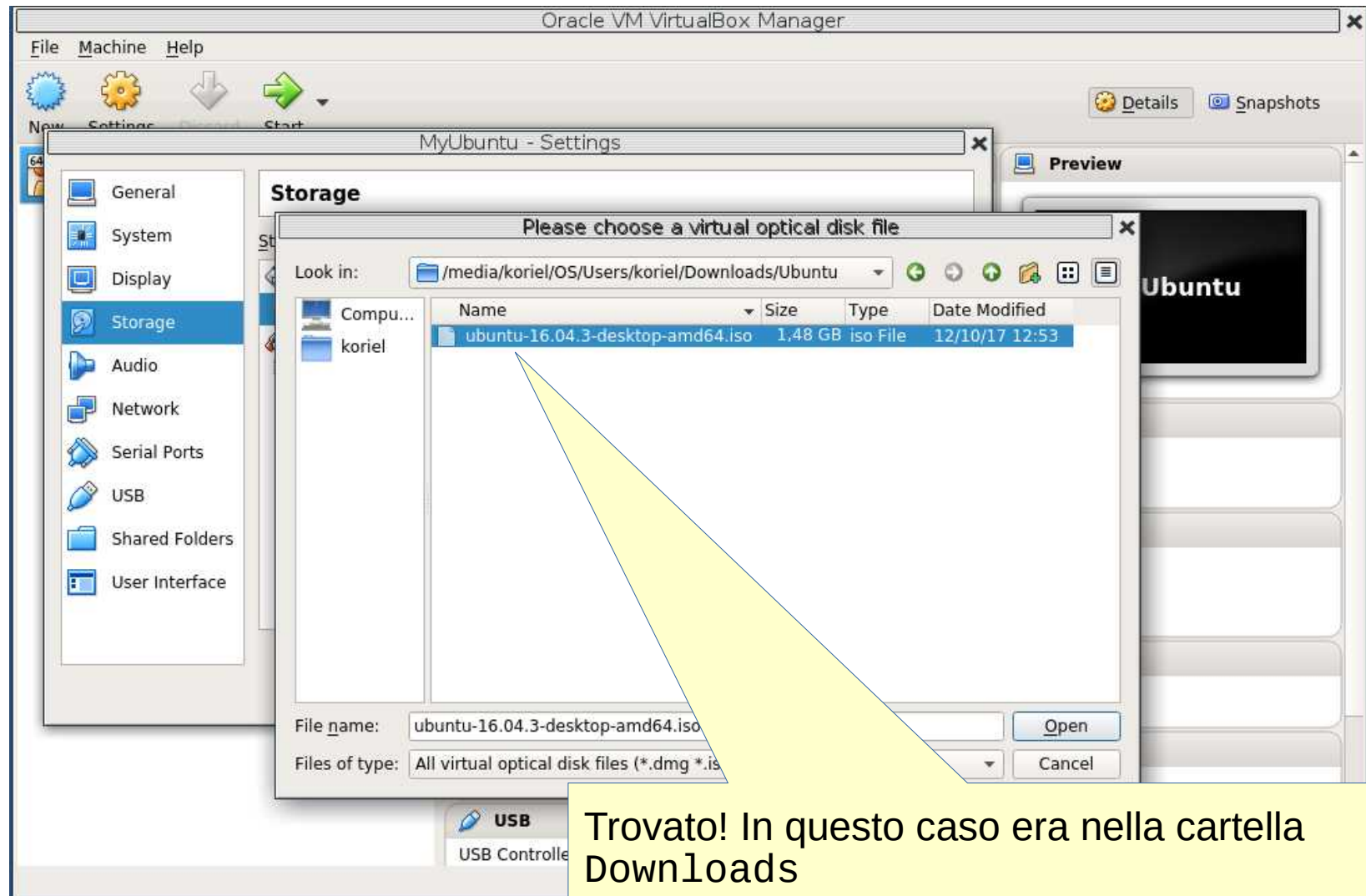


Scegliere il CD: 3



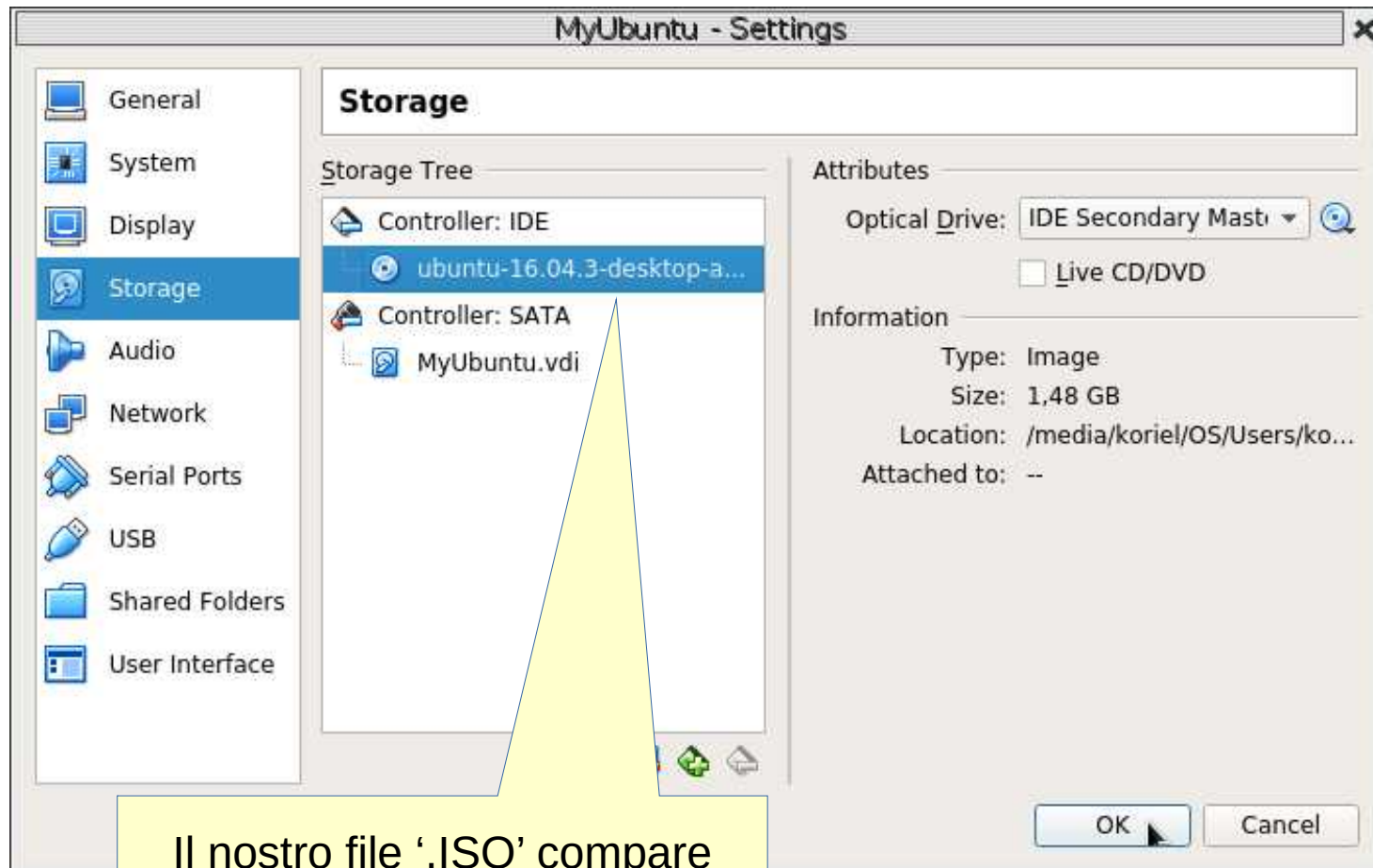
Cliccando su 'Choose...' potremo esplorare le nostre directory alla ricerca del file 'ISO' scaricato.

Scegliere il CD: 4

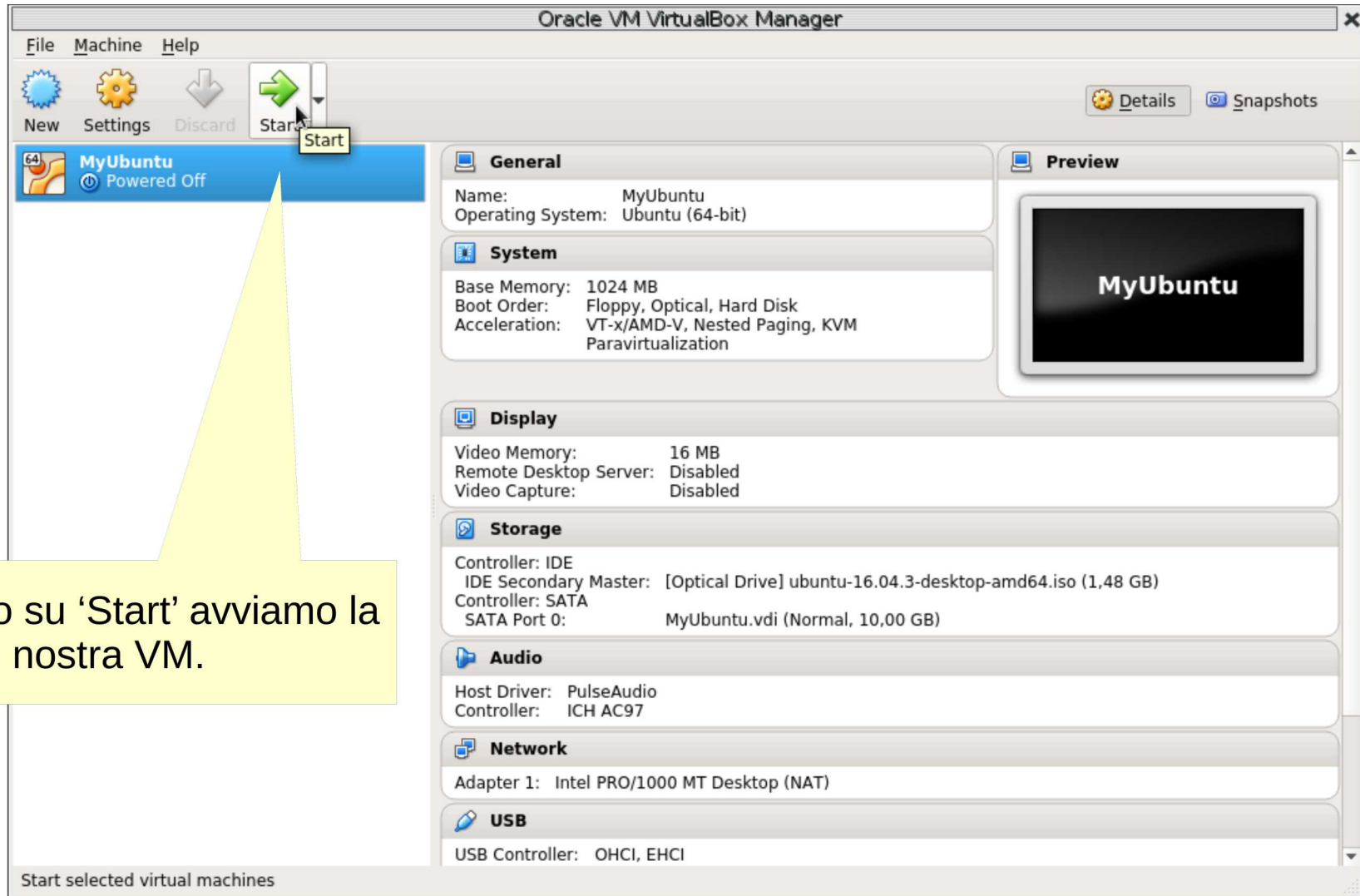


Trovato! In questo caso era nella cartella Downloads
Poi cliccare su 'Open'

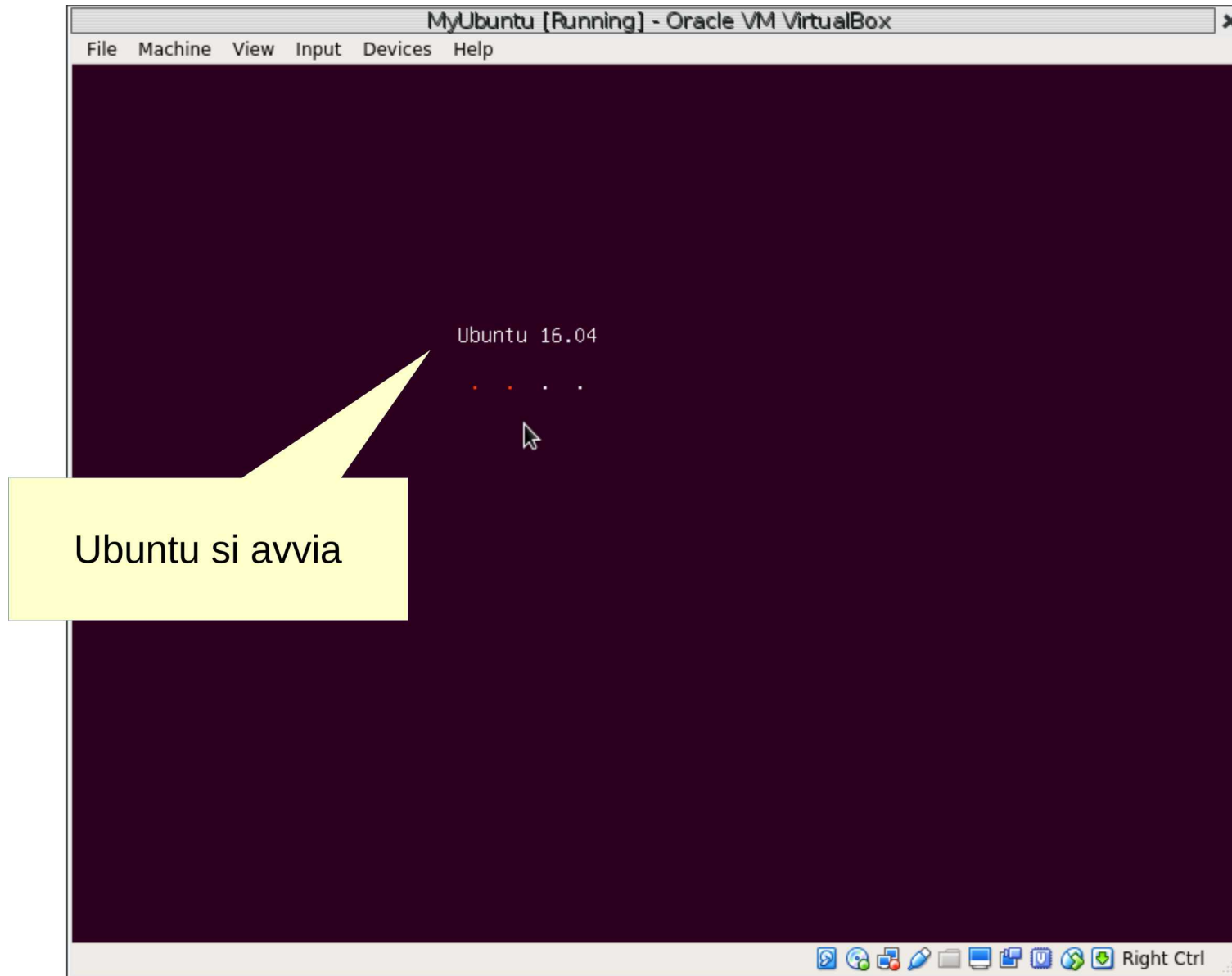
Scegliere il CD: 5



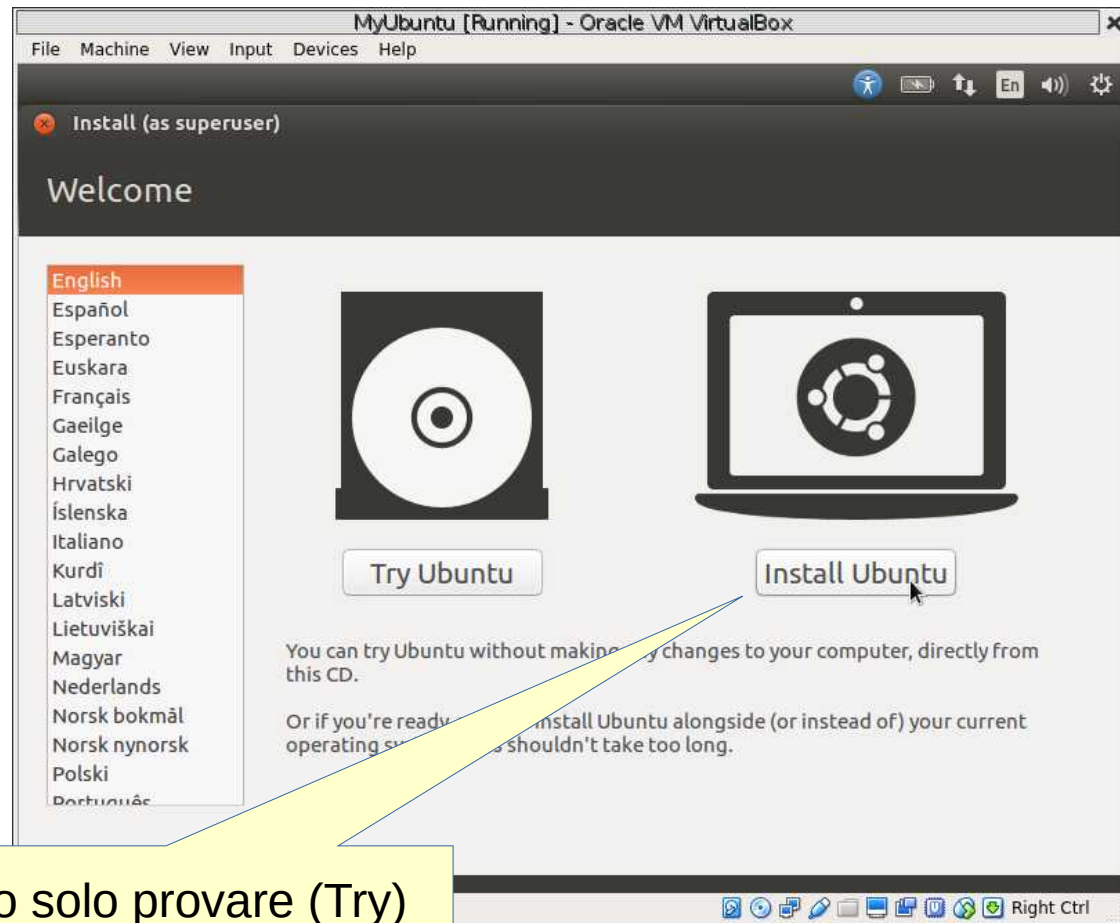
Avviare la VM



Partenza

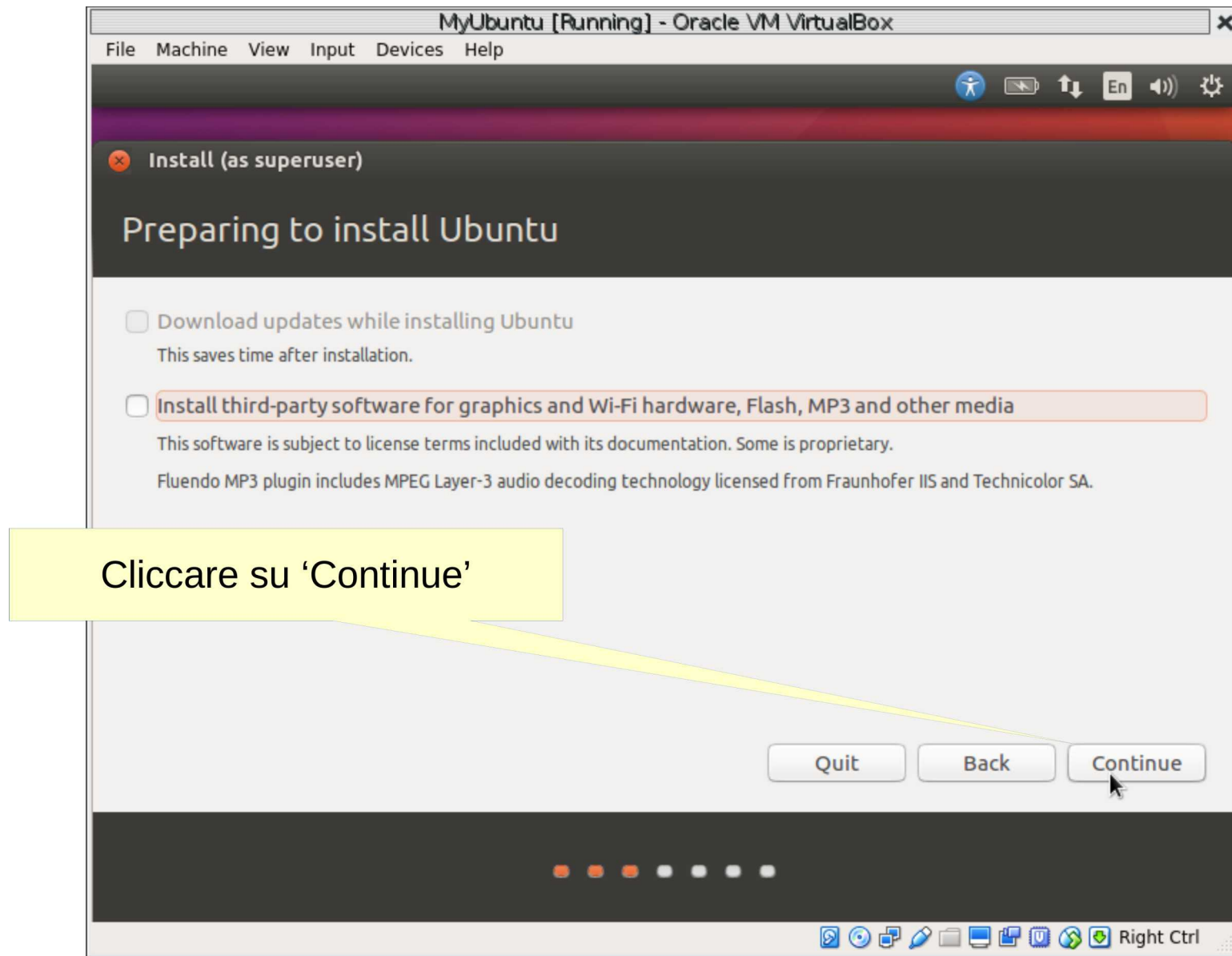


E` avviata: cosa facciamo?



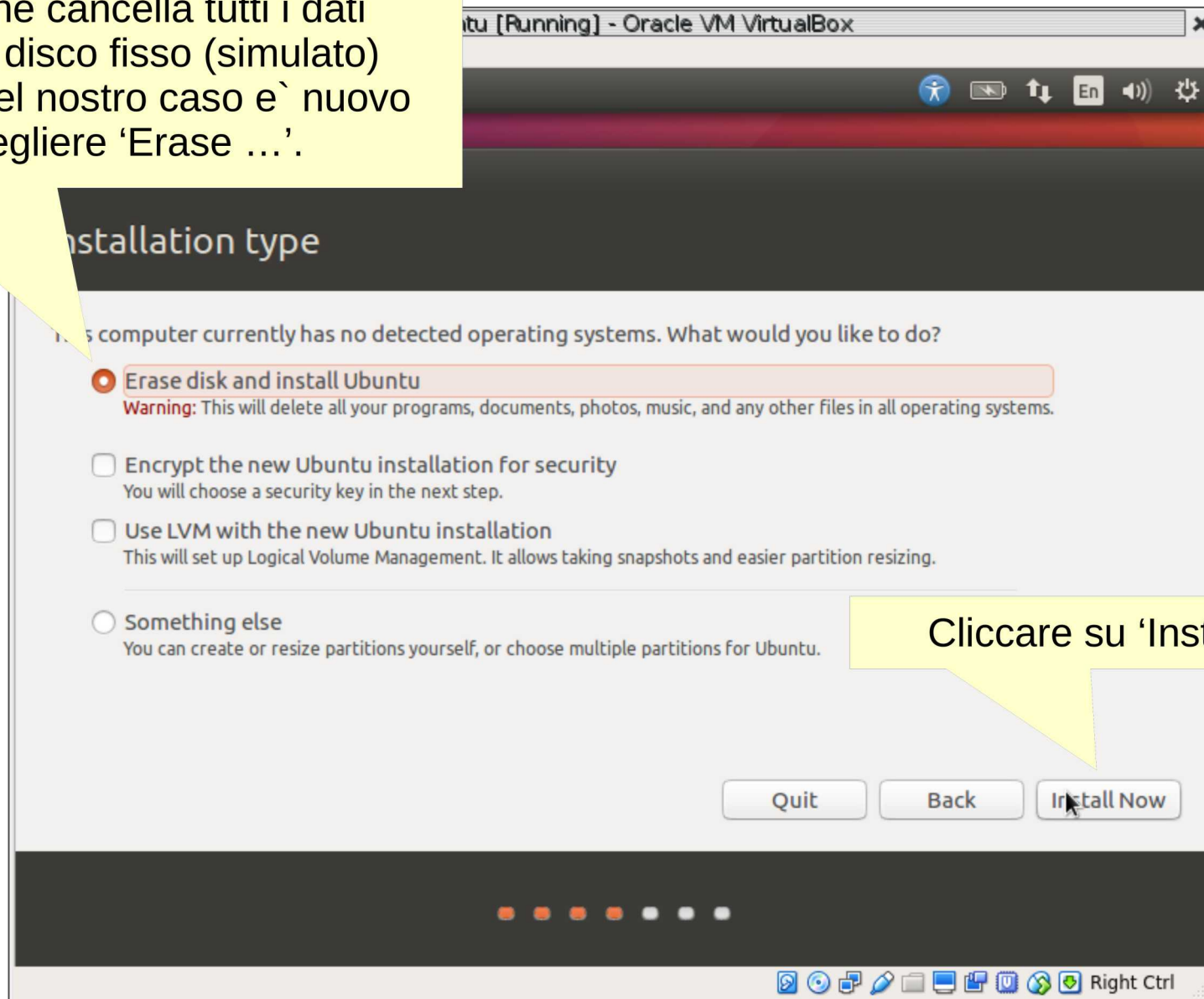
Possiamo solo provare (Try) Ubuntu ma nel nostro caso vogliamo installare Ubuntu sul disco fisso della VM

Vogliamo software non libero?



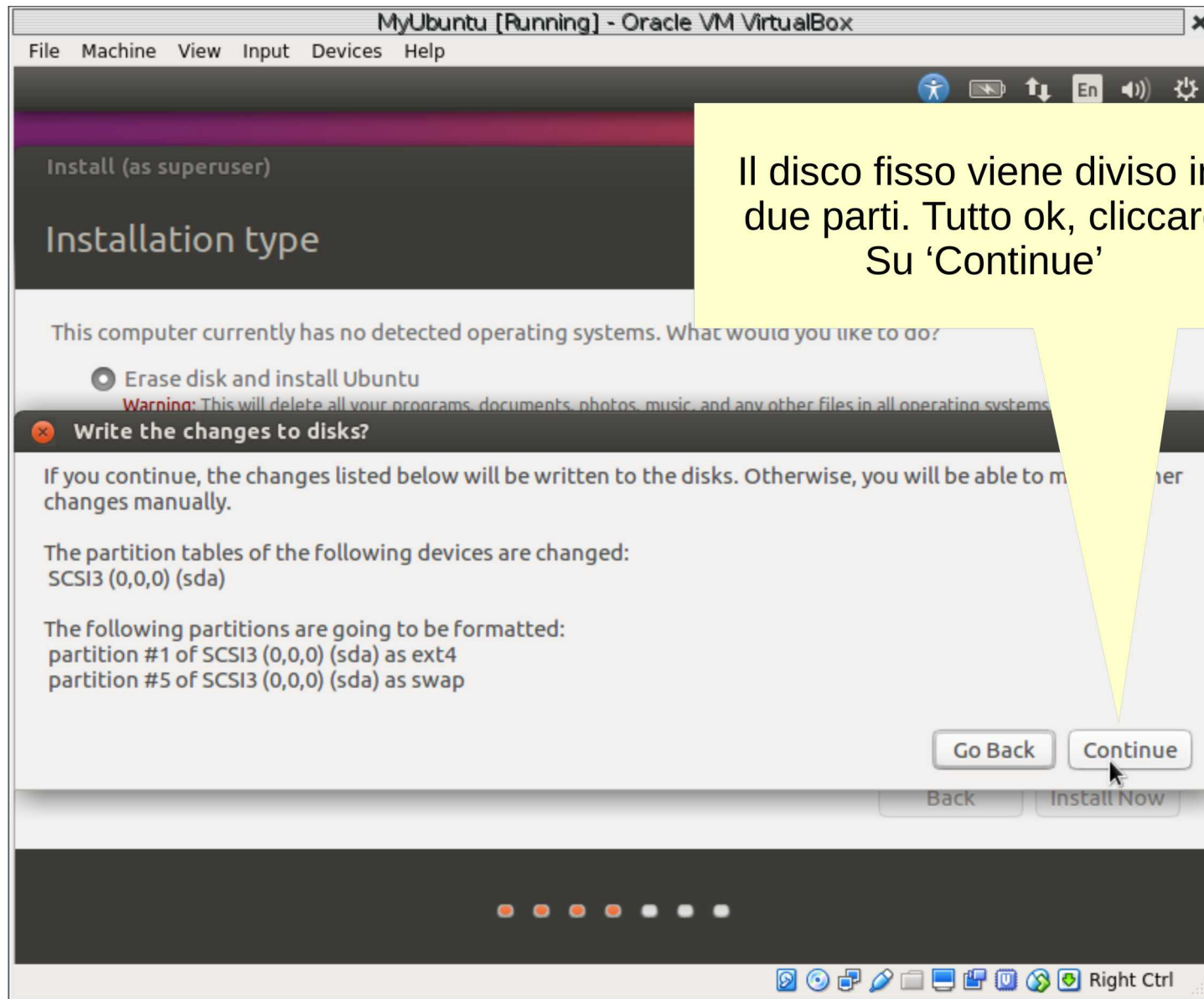
Usiamo il disco fisso della VM

L'installazione cancella tutti i dati presenti nel disco fisso (simulato) della VM. Nel nostro caso e' nuovo e vuoto. Scegliere 'Erase ...'.

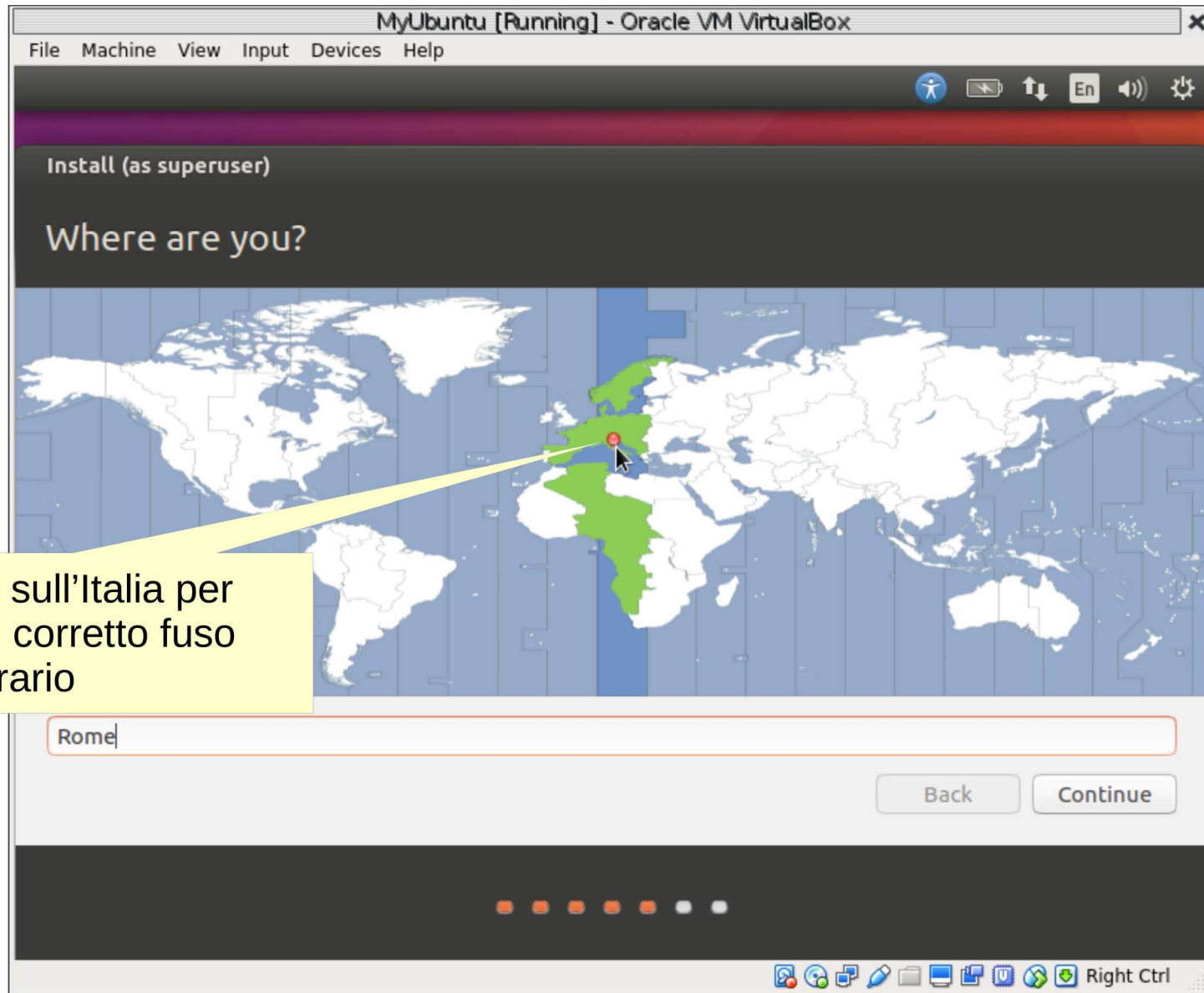


Cliccare su 'Install Now'

Accettare il partizionamento

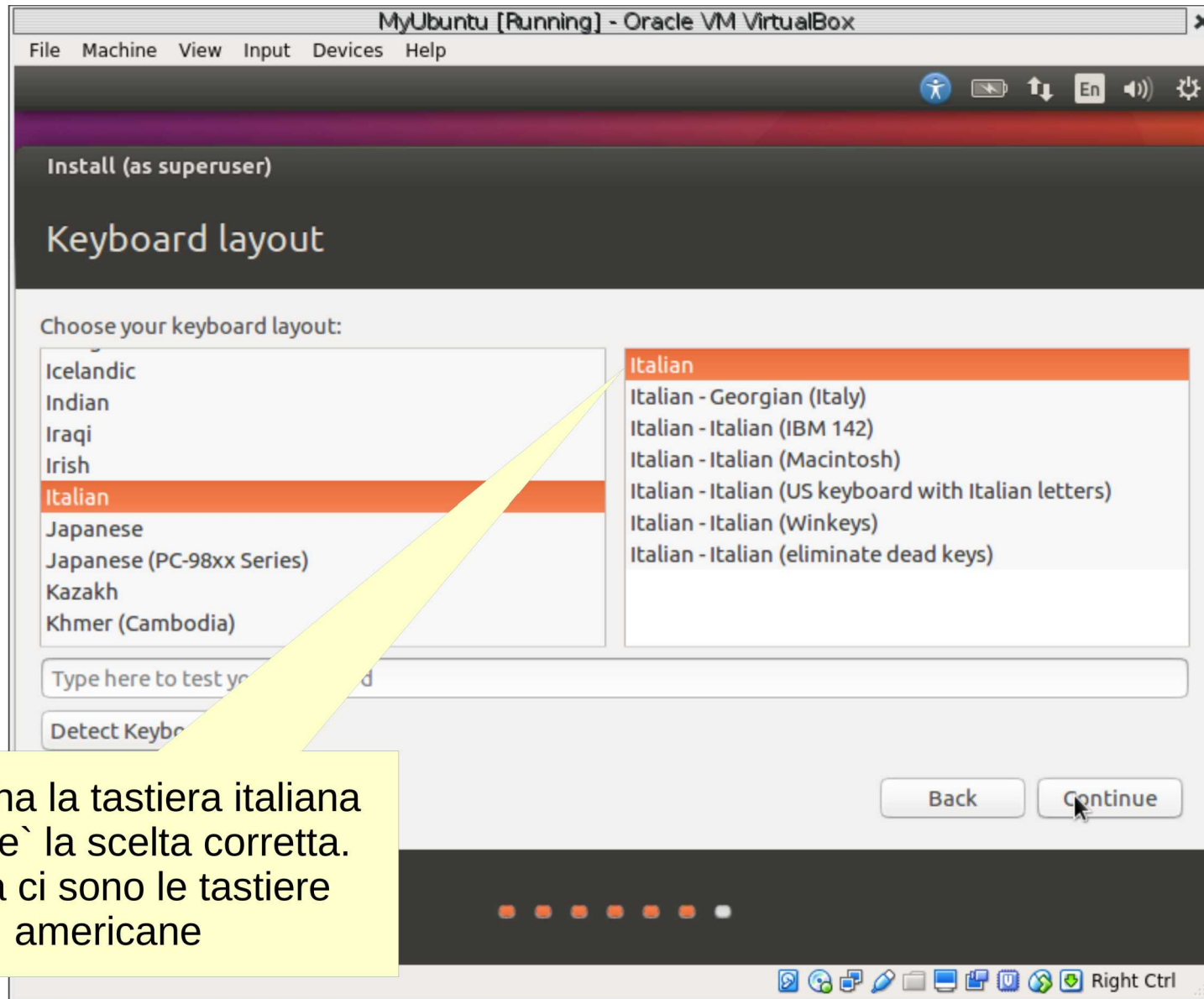


Scegliamo il fuso orario



Clicchiamo sull'Italia per scegliere il corretto fuso orario

Scegliere la lingua della tastiera



Per chi ha la tastiera italiana questa è la scelta corretta. In aula ci sono le tastiere americane

Creiamo la nostra account

MyUbuntu [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Install (as superuser)

Who are you?

Your name: Luca Righi ✓

Your computer's name: my-linux-VM ✓
The name it uses when it talks to other computers.

Pick a username: luca ✓

Choose a password: [masked] Strong password

Confirm your password: [masked] ✓

☐ Log in automatically

☒ Require my password to log in

☐ Encrypt my home folder

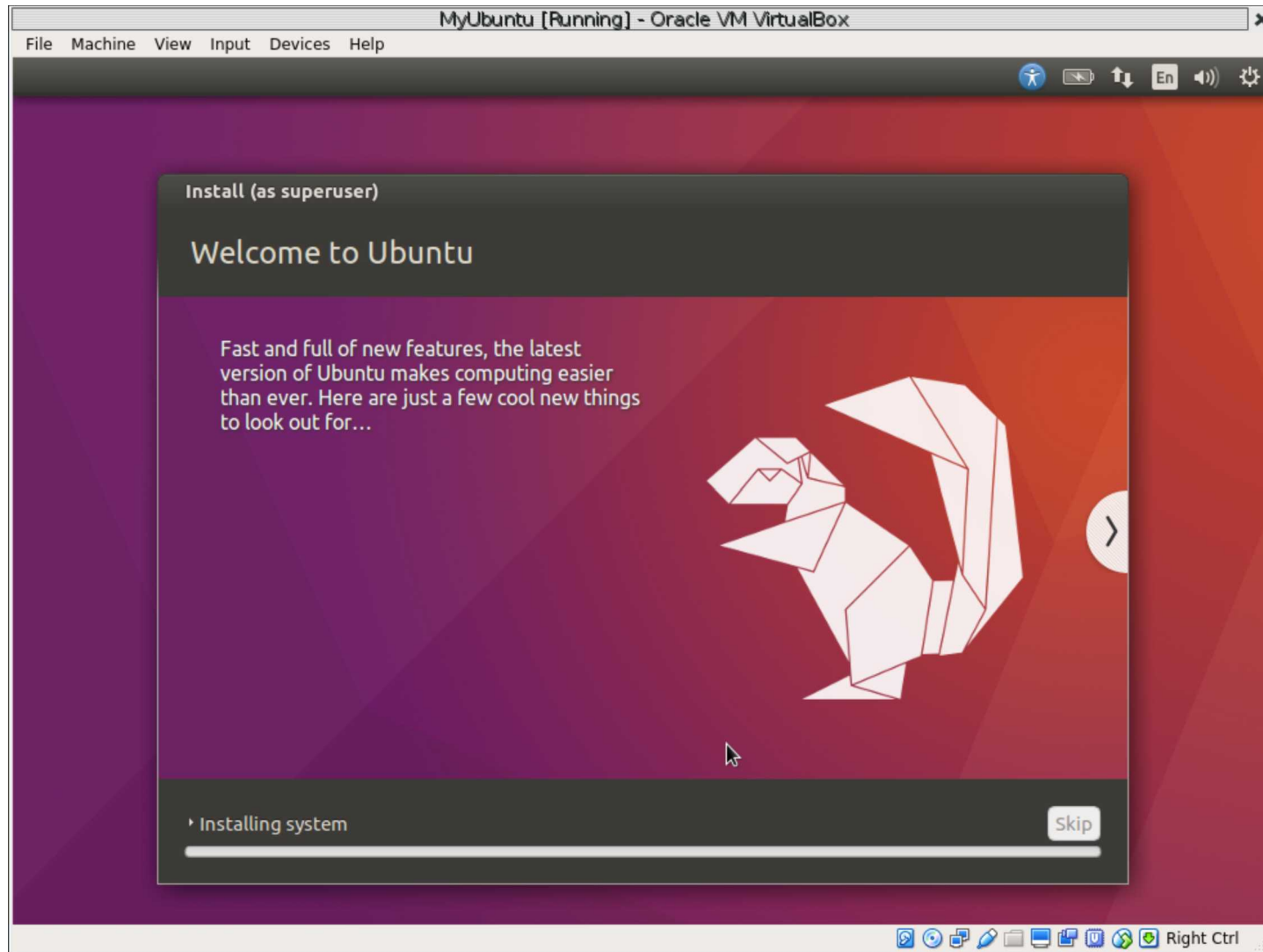
Back Continue

Right Ctrl

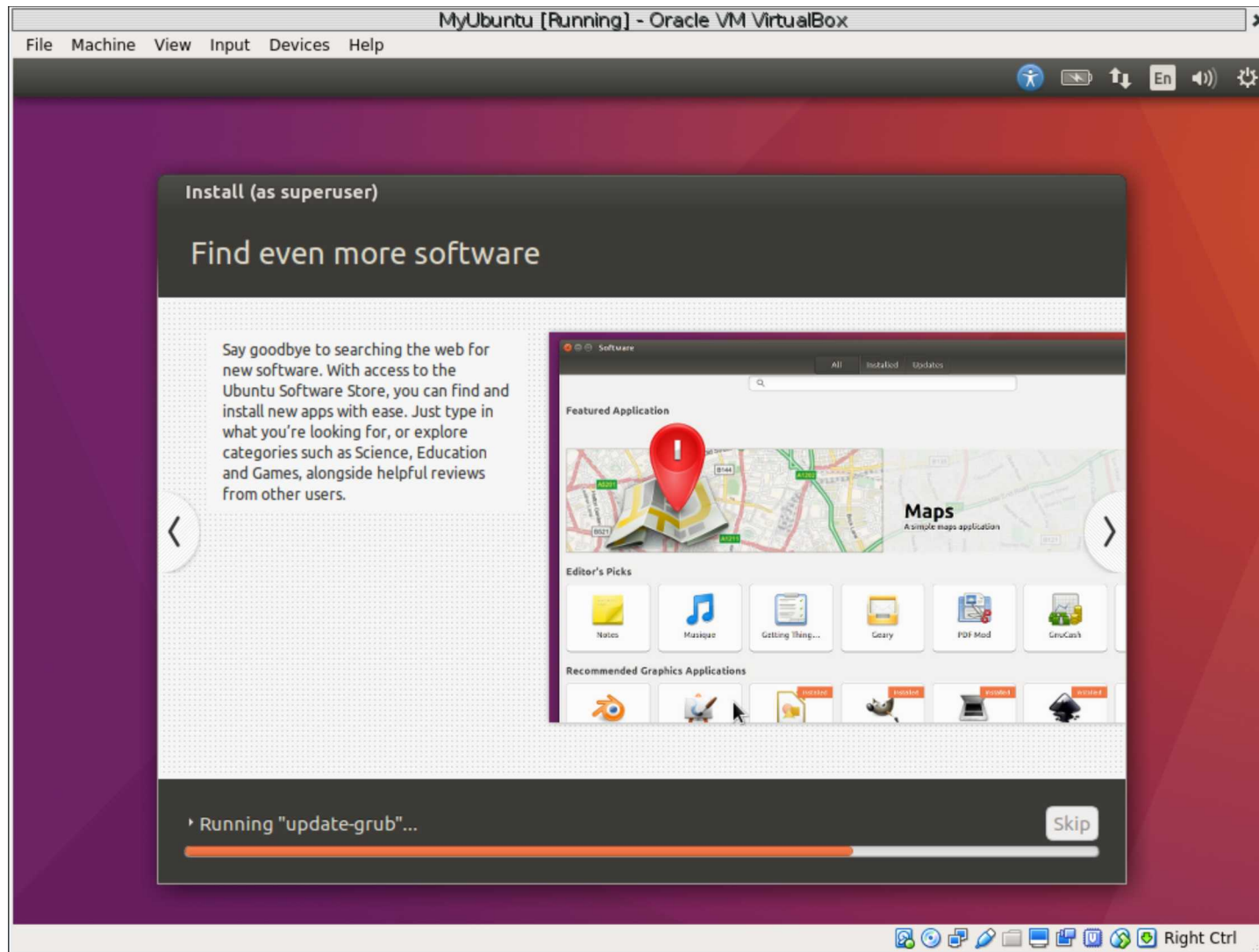
Qui definiamo la nostra coppia Username/password, il nome Del nostro computer (simulato) Linux, ecc.

Non dimentichiamo la password inserita!

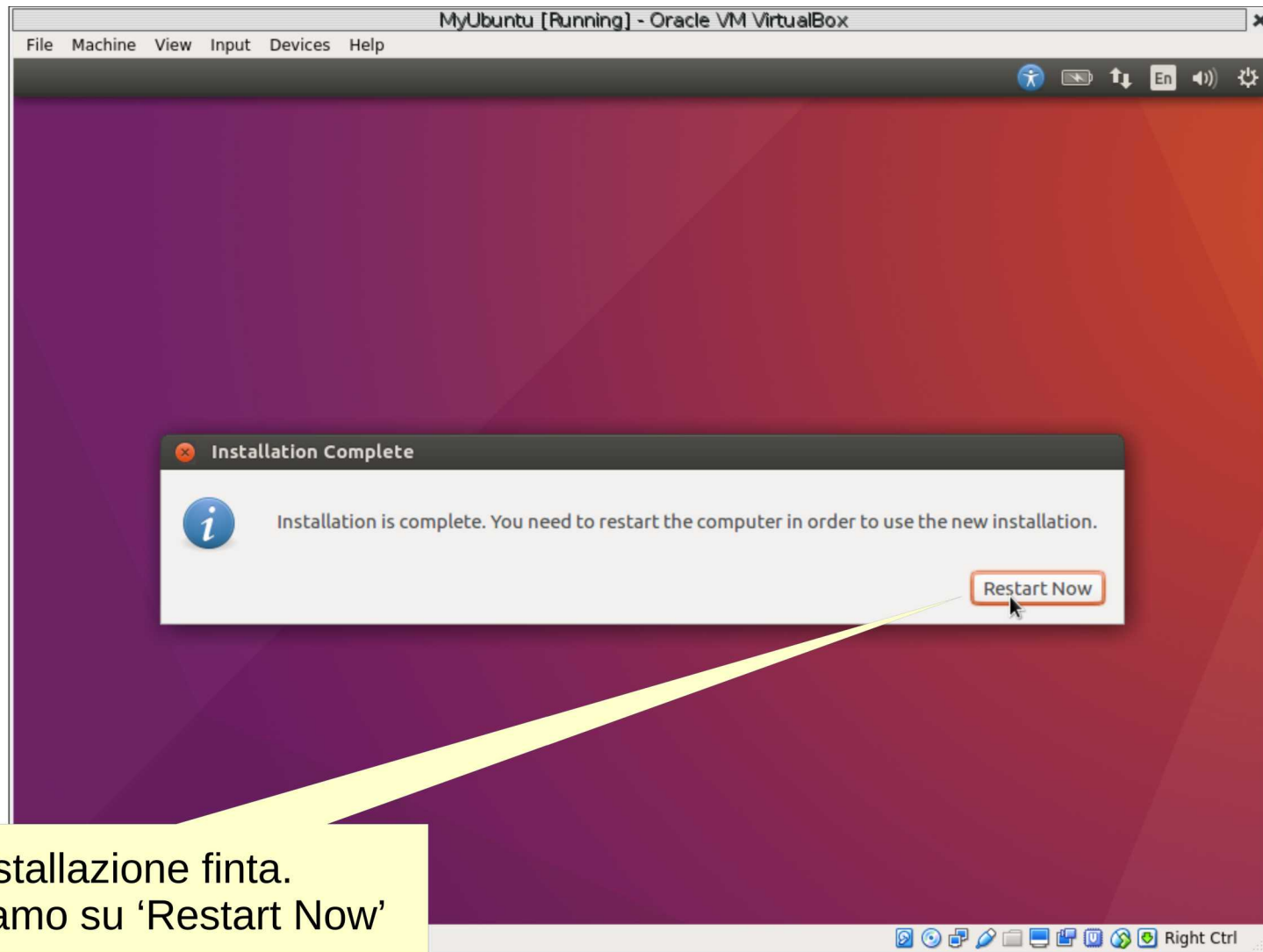
Parte l'installazione vera e propria...



Quasi finito ...



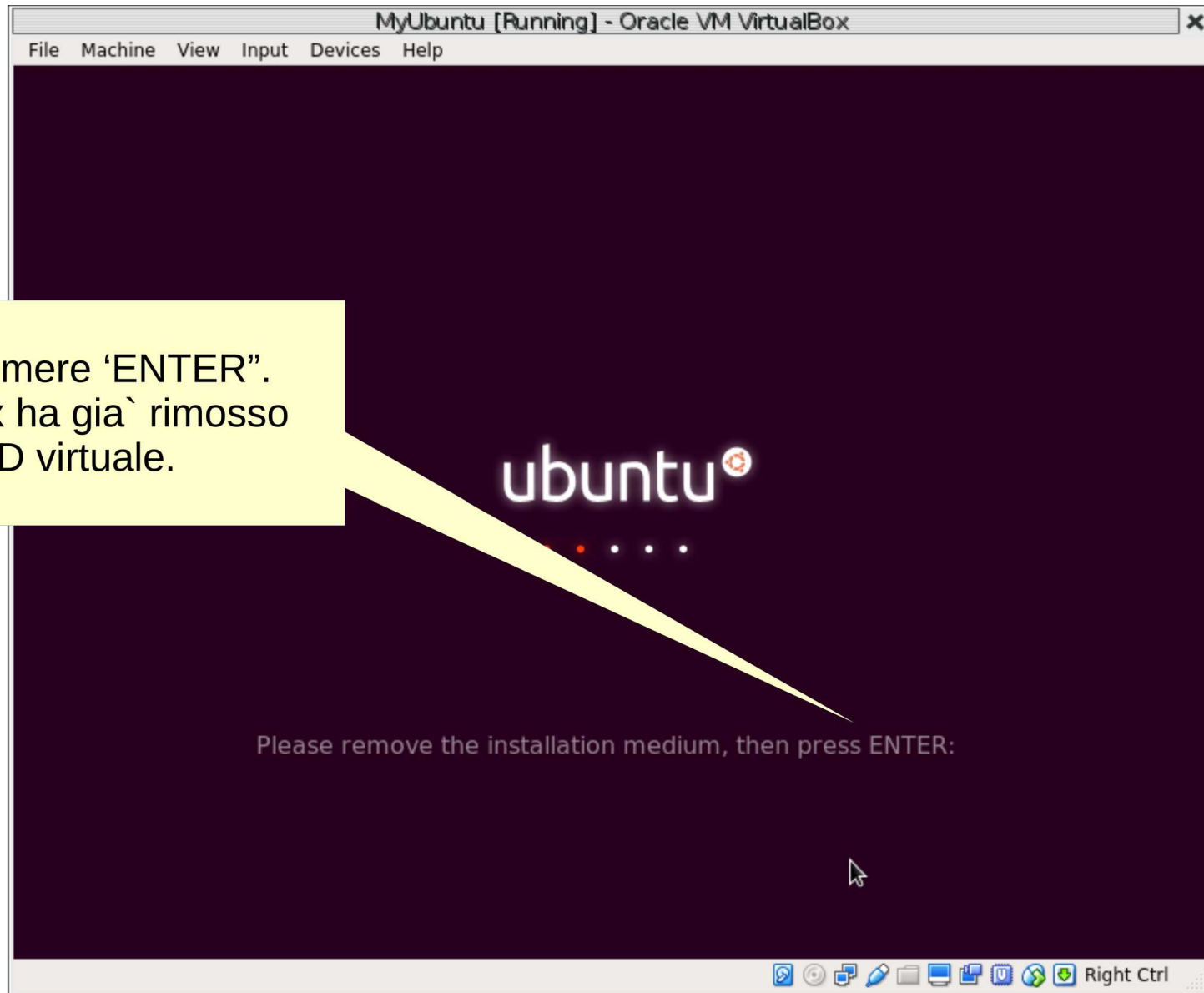
Finito!



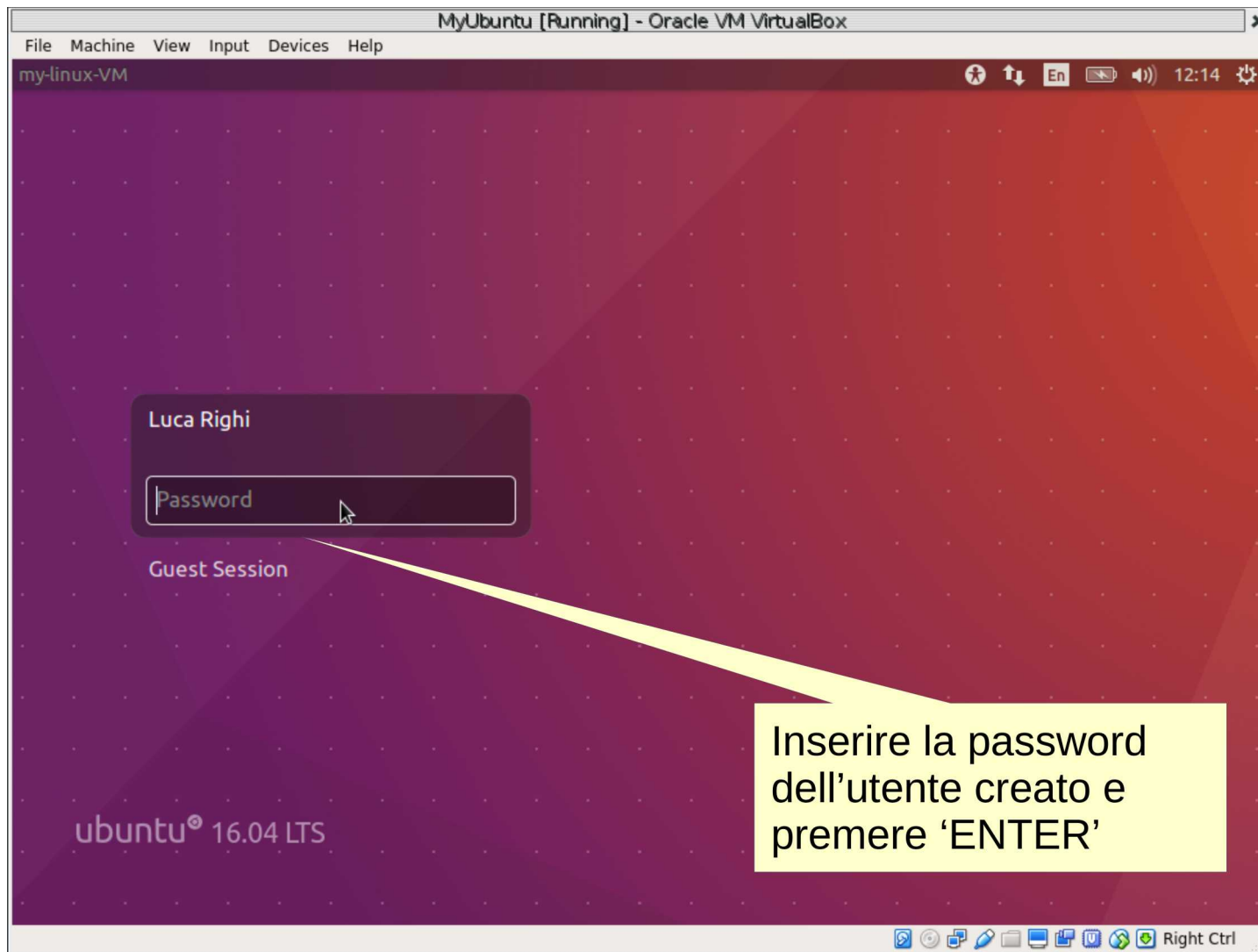
Installazione finta.
Clicchiamo su 'Restart Now'

Espulsione CD

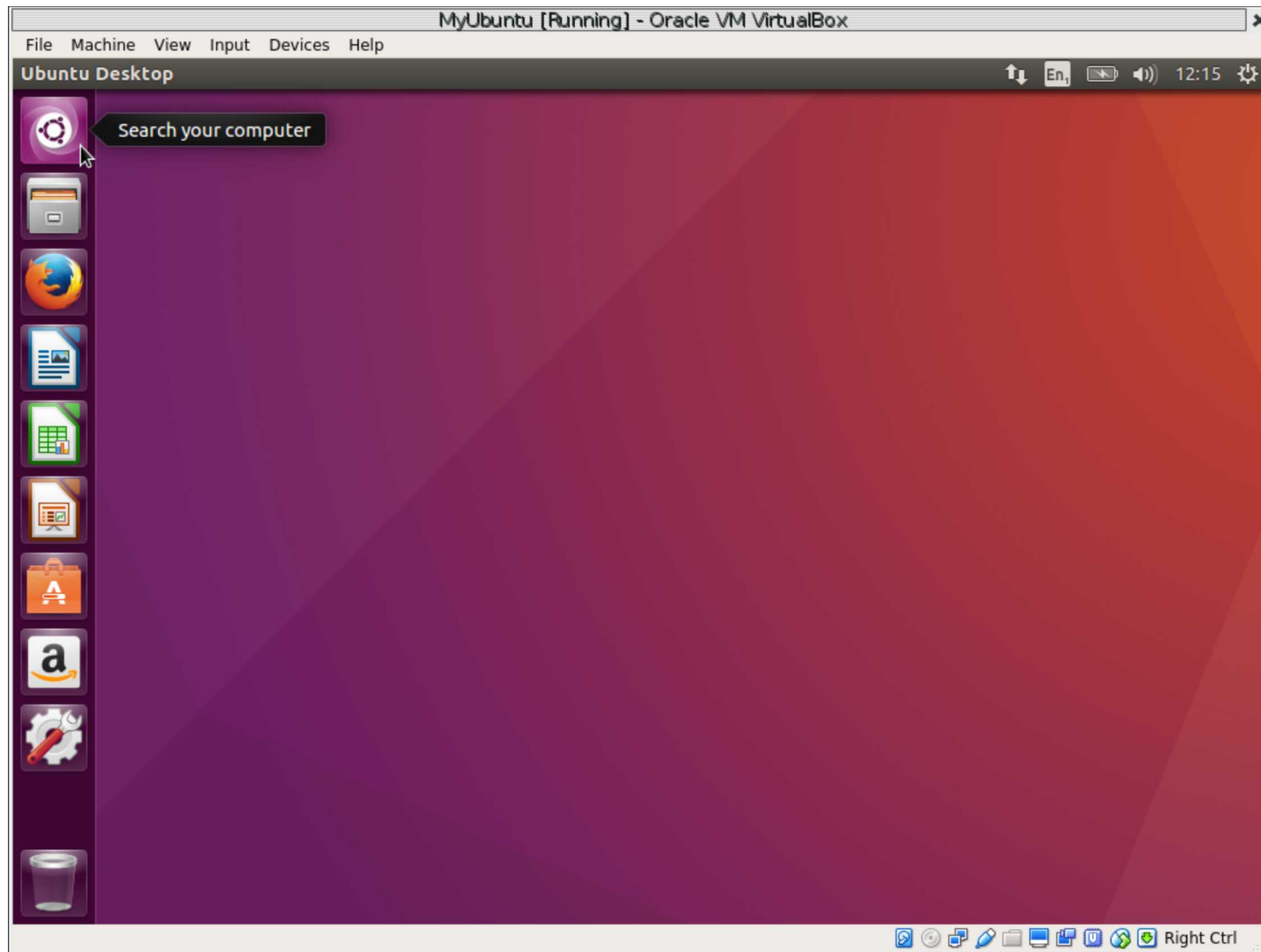
Basta premere 'ENTER'.
VirtualBox ha già rimosso
il CD virtuale.



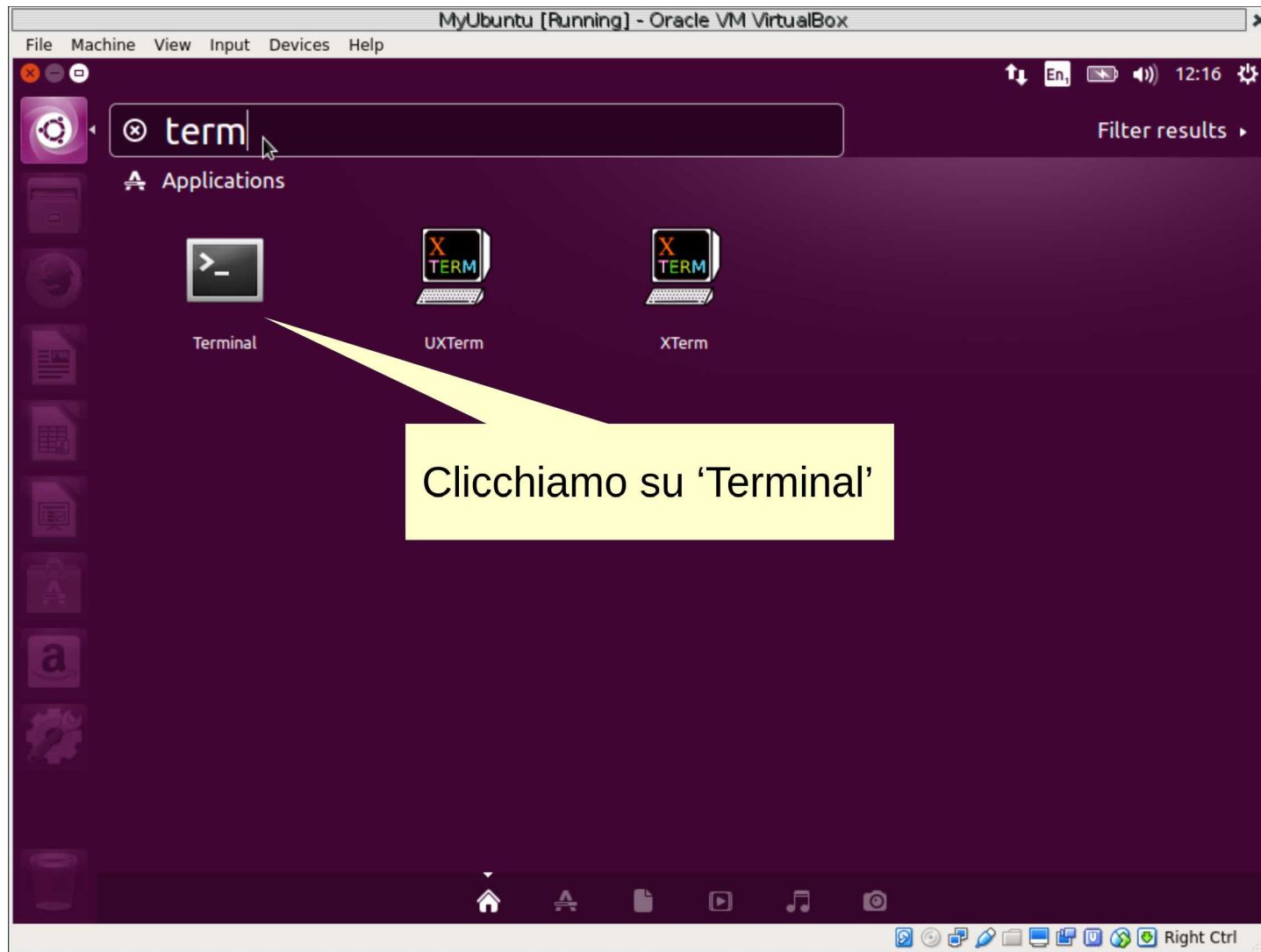
Macchina virtuale pronta all'uso



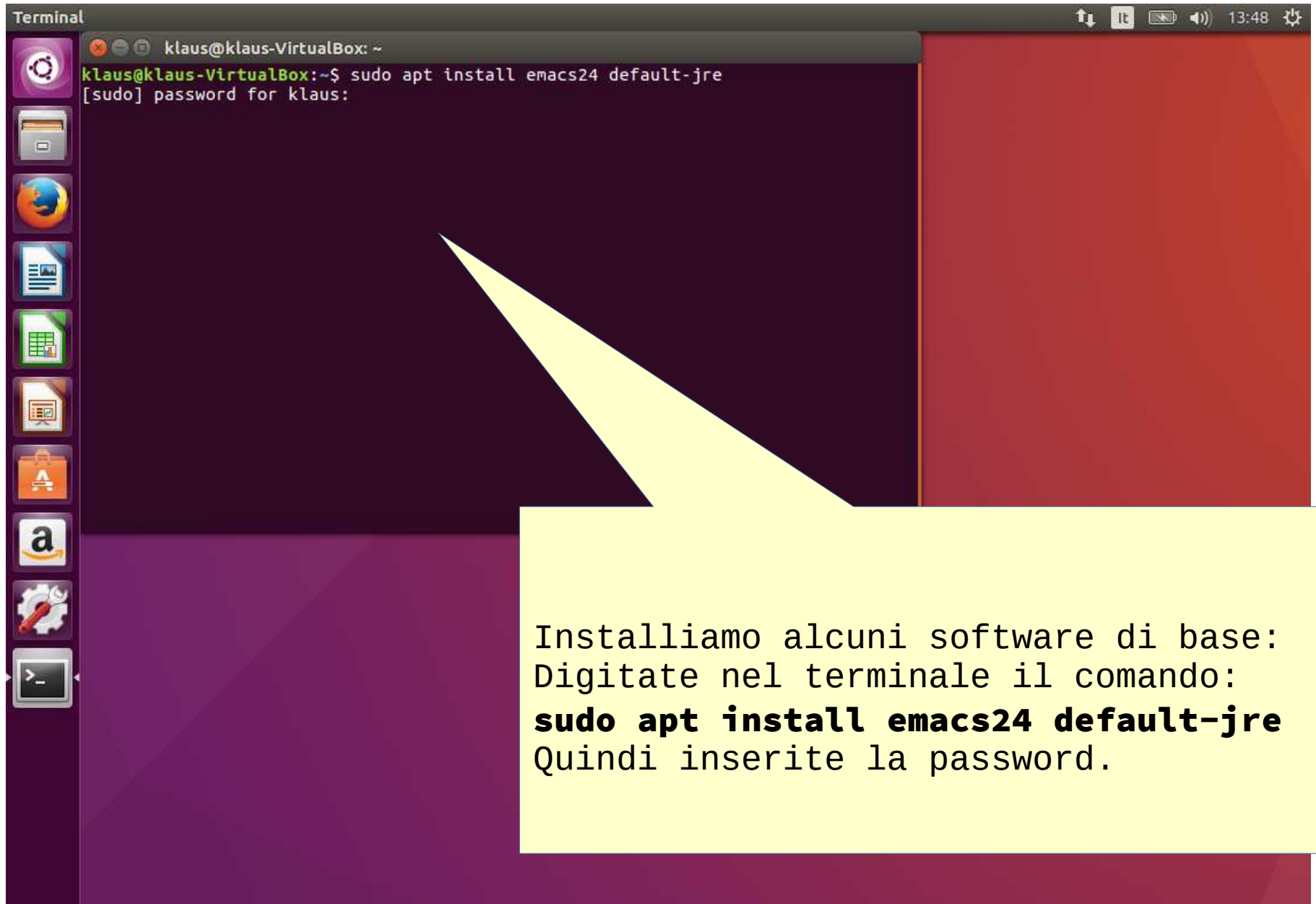
Primo accesso



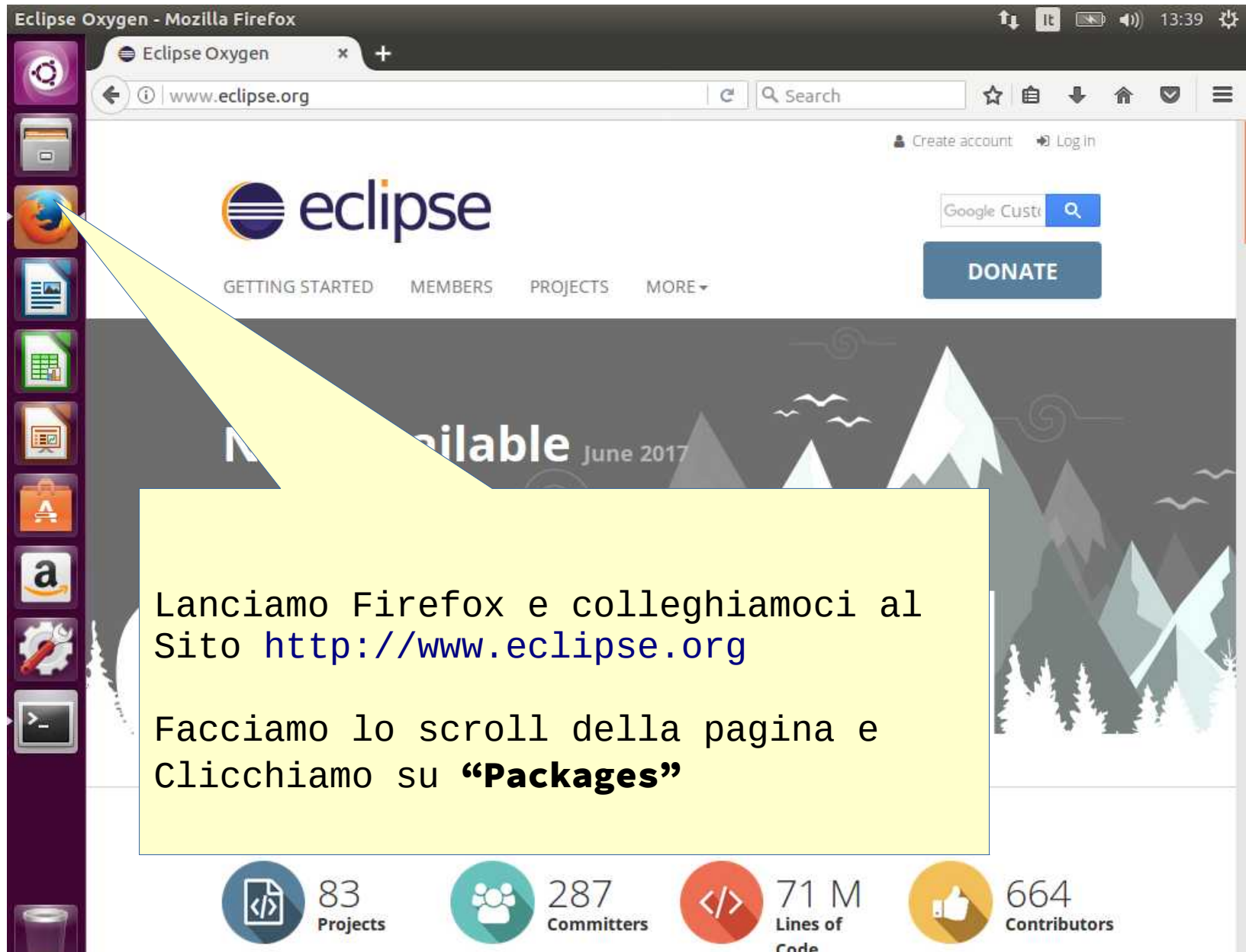
Lanciamo un terminale



Terminale pronto, prime installazioni



Scarichiamo 'eclipse'



Eclipse Oxygen - Mozilla Firefox

Eclipse Oxygen x +

www.eclipse.org

Create account Log in

eclipse

GETTING STARTED MEMBERS PROJECTS MORE ▾

Google Custom Search

DONATE

Available June 2017

Lanciamo Firefox e colleghiamoci al Sito <http://www.eclipse.org>

Facciamo lo scroll della pagina e Clicchiamo su **"Packages"**

83 Projects 287 Committers 71 M Lines of Code 664 Contributors

Scarichiamo il package per C/C++

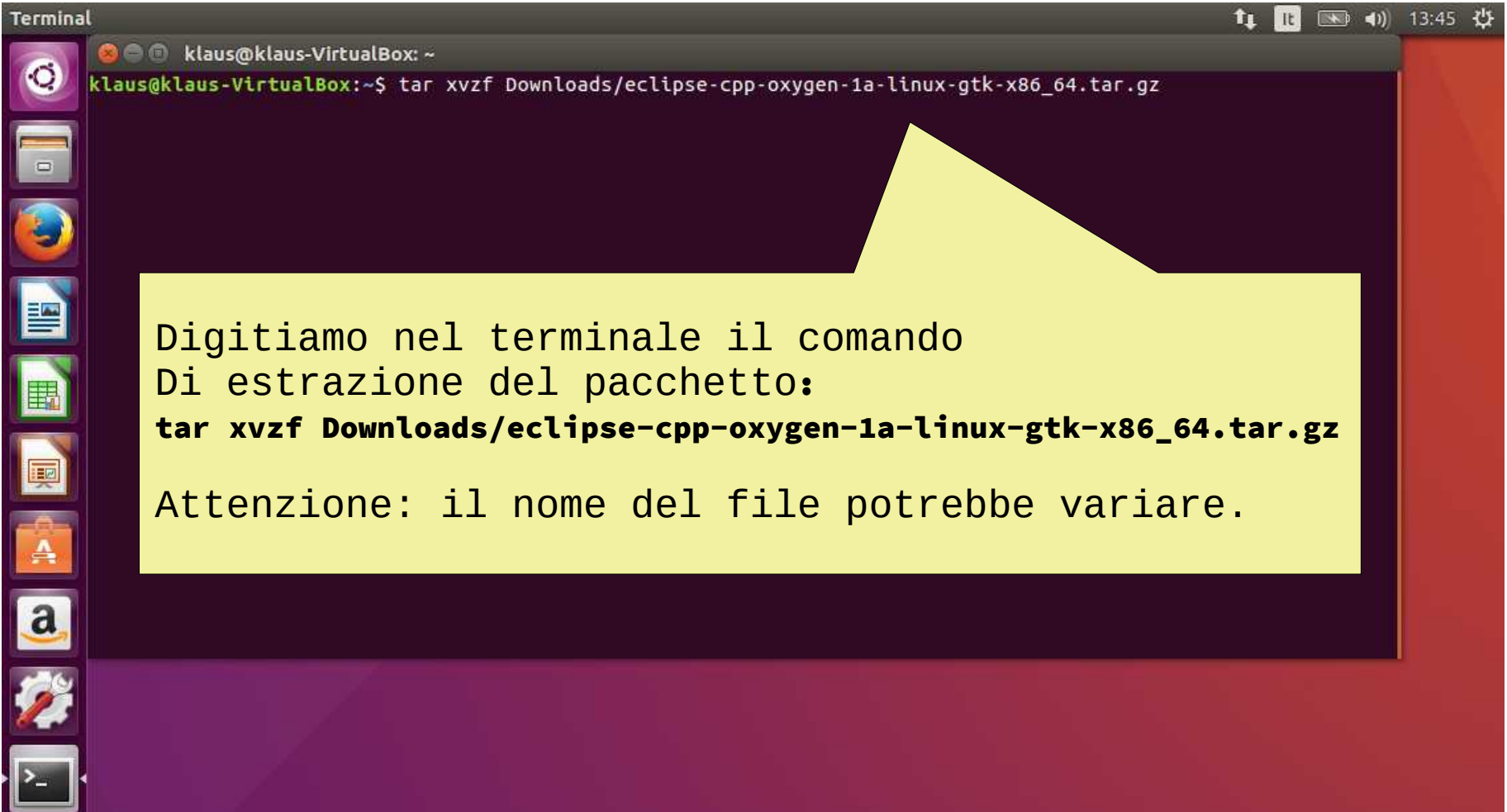
The screenshot shows the Eclipse Downloads page in Mozilla Firefox. The browser's address bar displays the URL <https://www.eclipse.org/downloads/eclipse-packages/>. The page features three main download cards:

- JRebel for Eclipse IDE**: Promoted Download. See Java Code Changes Instantly. Save Time. Reduce Stress. Finish Projects Faster!
- Eclipse IDE for Java EE Developers**: 331 MB, 483,895 DOWNLOADS. Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE, JPA, JSF, Mylyn...
- Eclipse IDE for C/C++ Developers**: 201 MB, 112,437 DOWNLOADS. An IDE for C/C++ developers with Mylyn integration.

The Eclipse IDE for C/C++ Developers card is highlighted with a yellow callout box. The callout box contains the text: "Scarichiamo la versione a 64bit per Linux del package: Eclipse IDE for C/C++ Developers". A yellow arrow points from the callout box to the "64 bit" link under the "Linux" section of the Eclipse IDE for C/C++ Developers card. The "Download" button is also visible next to the "64 bit" link.

At the bottom of the page, the URL https://www.eclipse.org/downloads/download.php?file=/technolog...elease/oxygen/1a/eclipse-cpp-oxygen-1a-linux-gtk-x86_64.tar.gz is visible. A Firefox notification bar at the bottom states: "Firefox automatically sends some data to Mozilla so that we can improve your experience. Choose What I Share".

Estraiamo il file scaricato

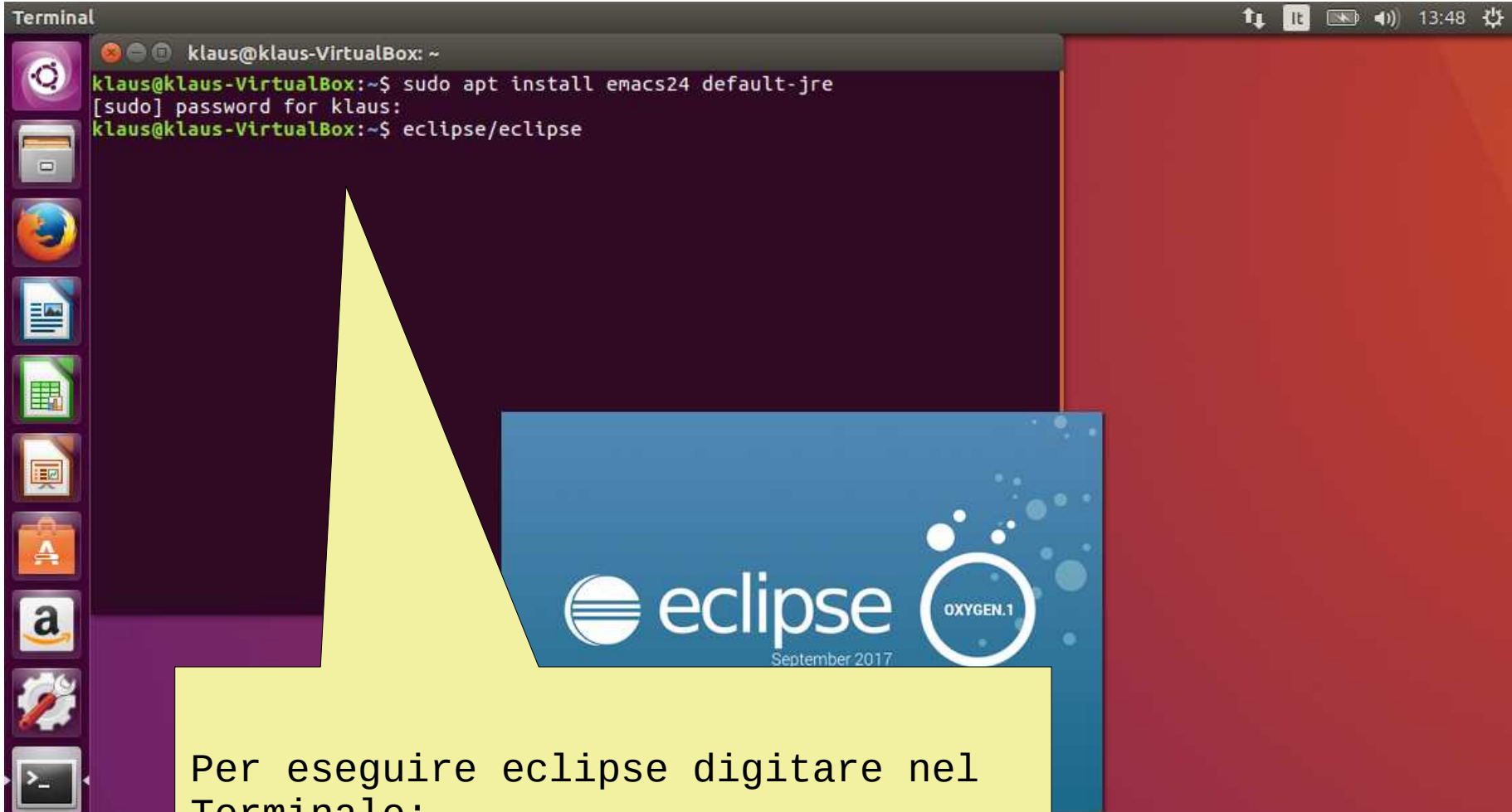


The image shows a terminal window titled "Terminal" with a dark background. The prompt is "klaus@klaus-VirtualBox: ~". The command entered is "tar xvzf Downloads/eclipse-cpp-oxygen-1a-linux-gtk-x86_64.tar.gz". A yellow callout box points to the command with the following text:

Digitiamo nel terminale il comando
Di estrazione del pacchetto:
tar xvzf Downloads/eclipse-cpp-oxygen-1a-linux-gtk-x86_64.tar.gz
Attenzione: il nome del file potrebbe variare.

The terminal window also shows a sidebar with various application icons on the left and system status icons (network, volume, battery, time) on the right.

Avvio di Eclipse



Per eseguire eclipse digitare nel Terminale:

eclipse/eclipse