

GROUPE E GUISLIN Thomas / DIERYNCK Gaël

Welcome to Debian's virtual machine installation guide.

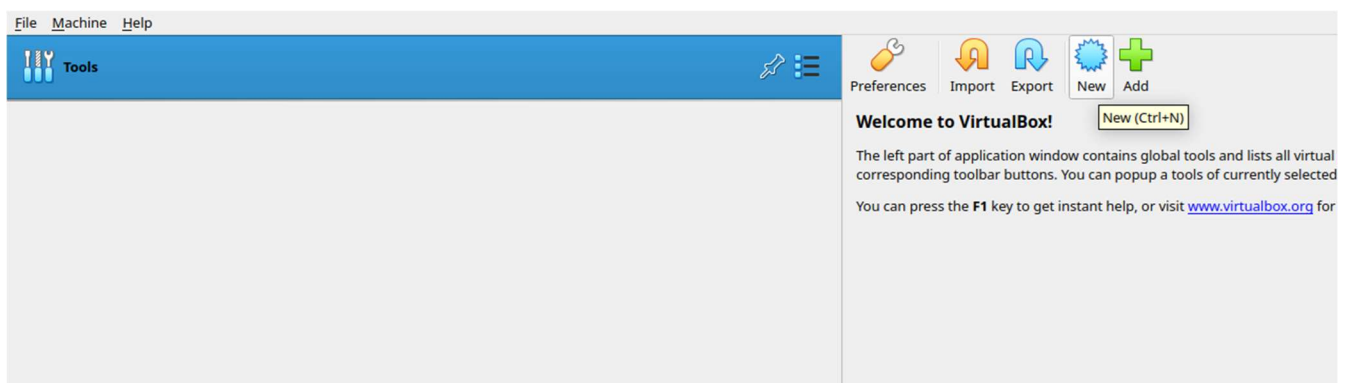
A virtual machine is a computer simulated on an application, allowing you to install programs and systems separately from your personal folders. In our case, we're going to use Virtual Box, a simple yet powerful virtualization tool.

If you've never installed Virtual Box, go to:

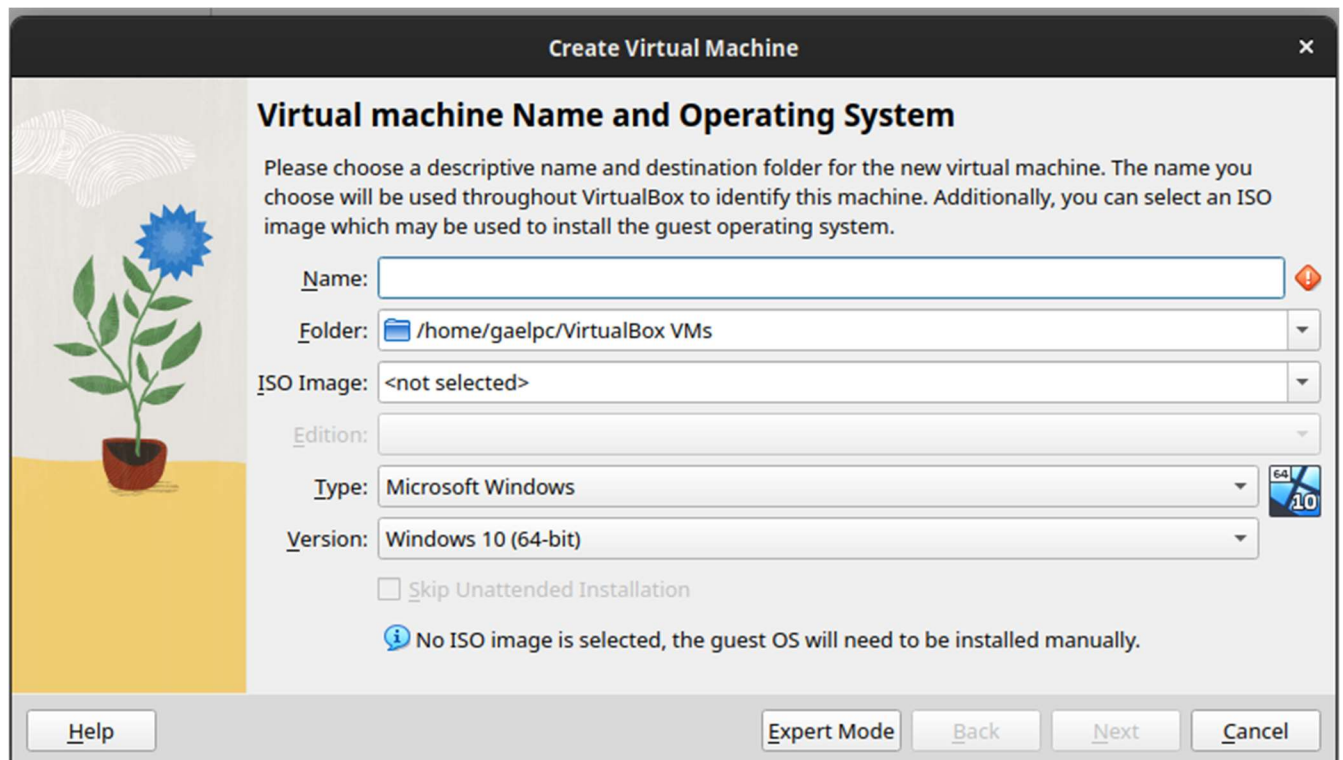
<https://download.virtualbox.org/virtualbox/7.0.12/VirtualBox-7.0.12-159484-Win.exe>

First step:

Get an **installation** image or **Debian installation media** (.iso format).



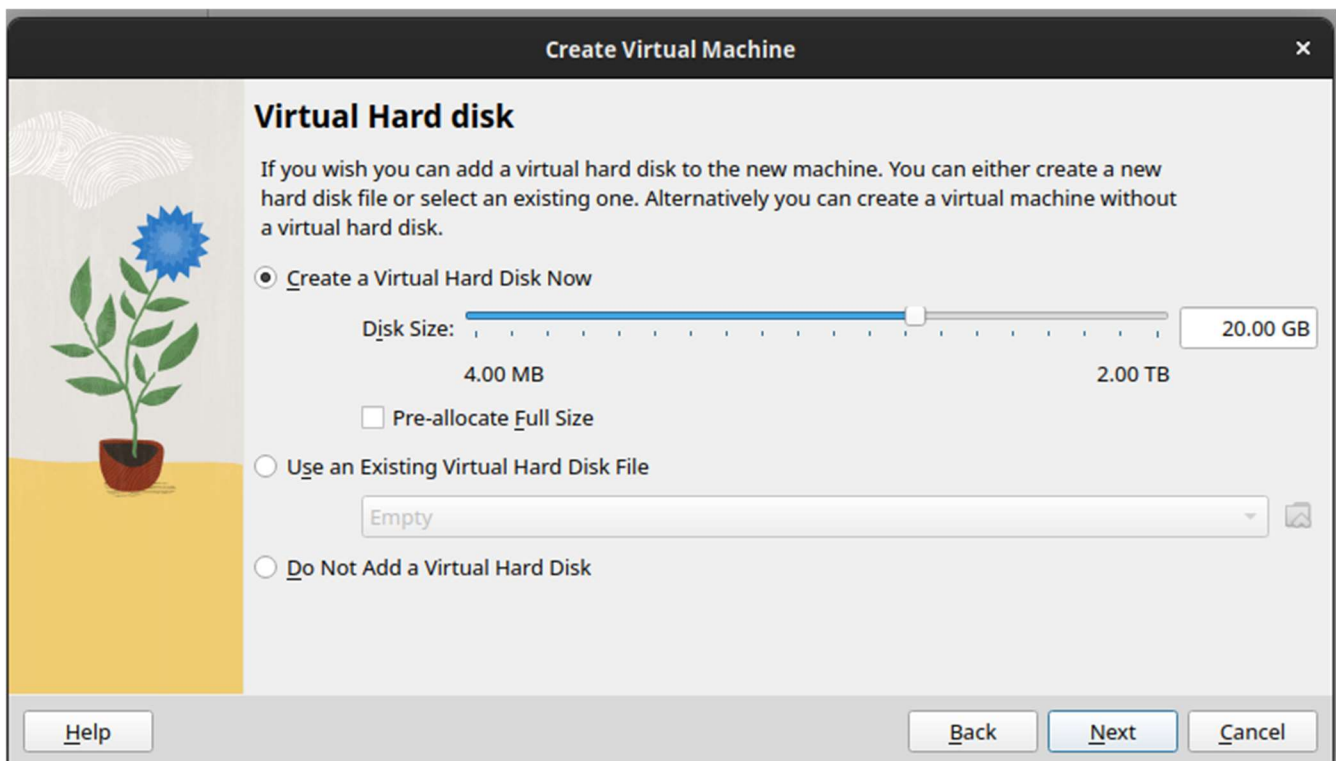
This is the first screen you'll come across when you **open** the application. To create your virtual machine, click on **New**, the blue wheel icon.



Once on the creation window, enter the **name of your virtual machine**. Don't touch anything else except Type; select Linux **then** 'Debian x64' in the version window.

If you're still unsure of your usage, **leave** the RAM value and the number of processor cores unchanged.

You will then be taken to the **hard disk** selection window.

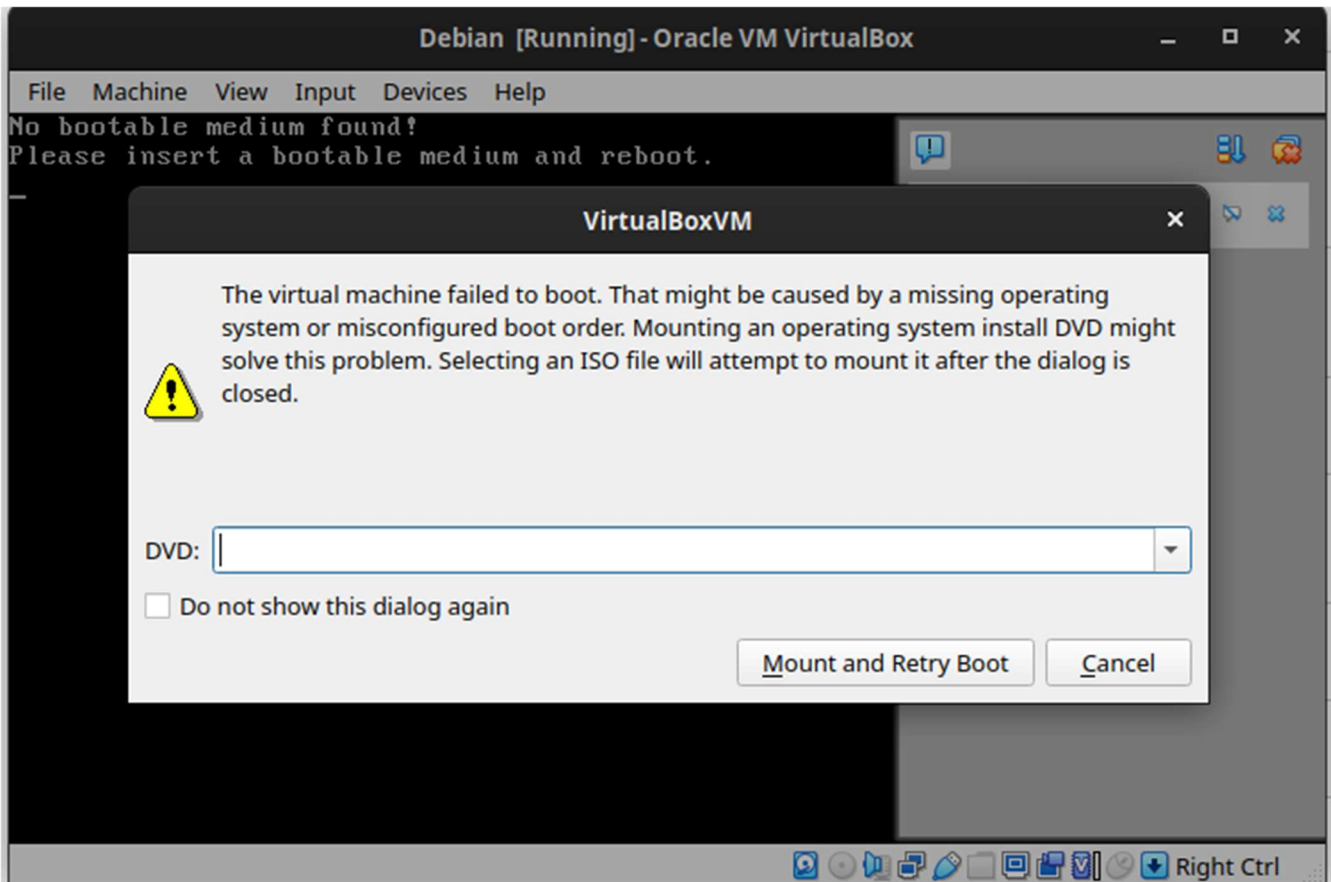


By default, VirtualBox will create a dynamic **20GB hard disk**; i.e. the disk size will be between 4MB and 20GB maximum, so it won't take up 20GB directly unless you fill it.

You are **free** to change the size of your disk to suit your needs.

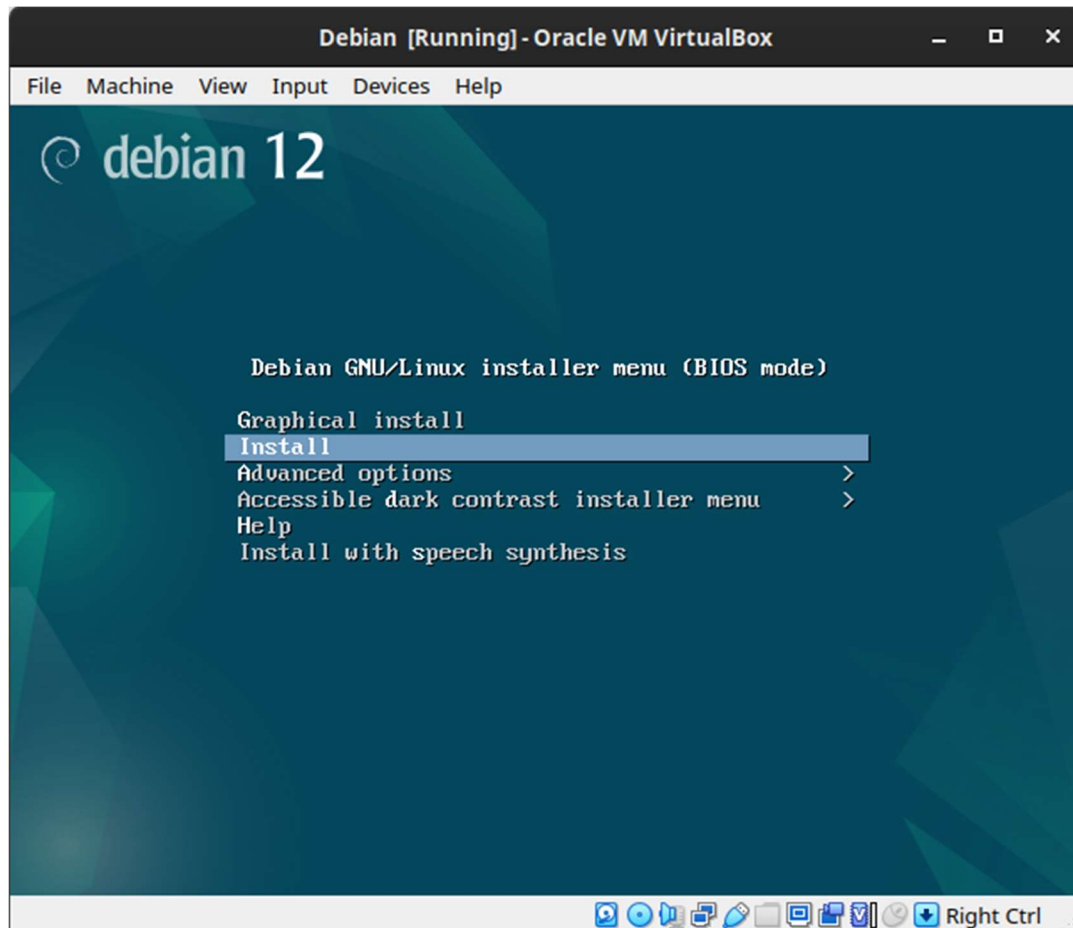
Finish the configuration and **launch** your machine by double-clicking on it.

IN DEBIAN :



Look for your Debian .iso installation file with the arrow on the right. Once you've found it, click on 'Mount and Retry boot'.

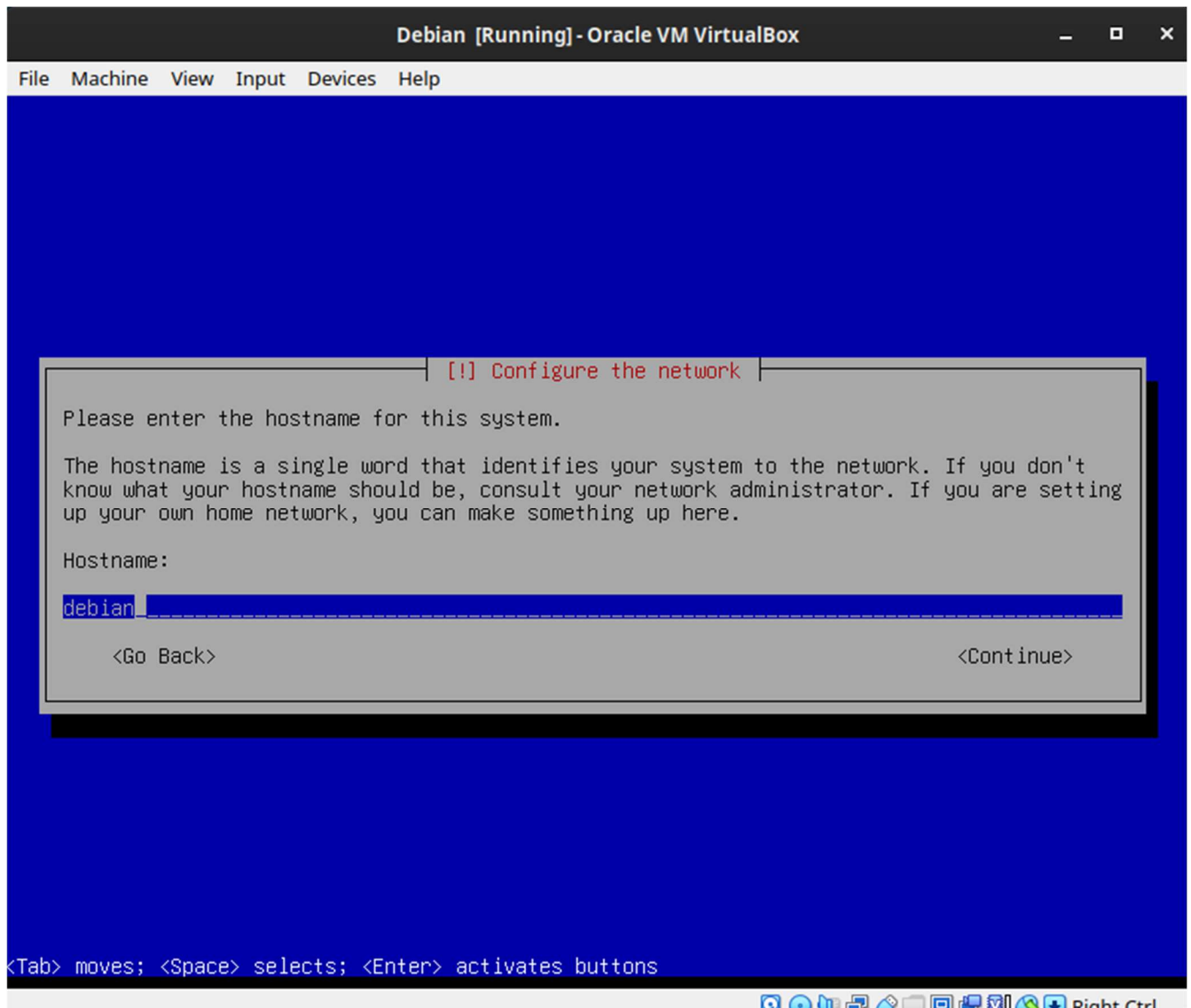
Once on the Debian installation screen, select **Install**



TIPS: If you want to change window, press the '**Right Ctrl**' key, as your cursor will be stuck in the VirtualBox window.

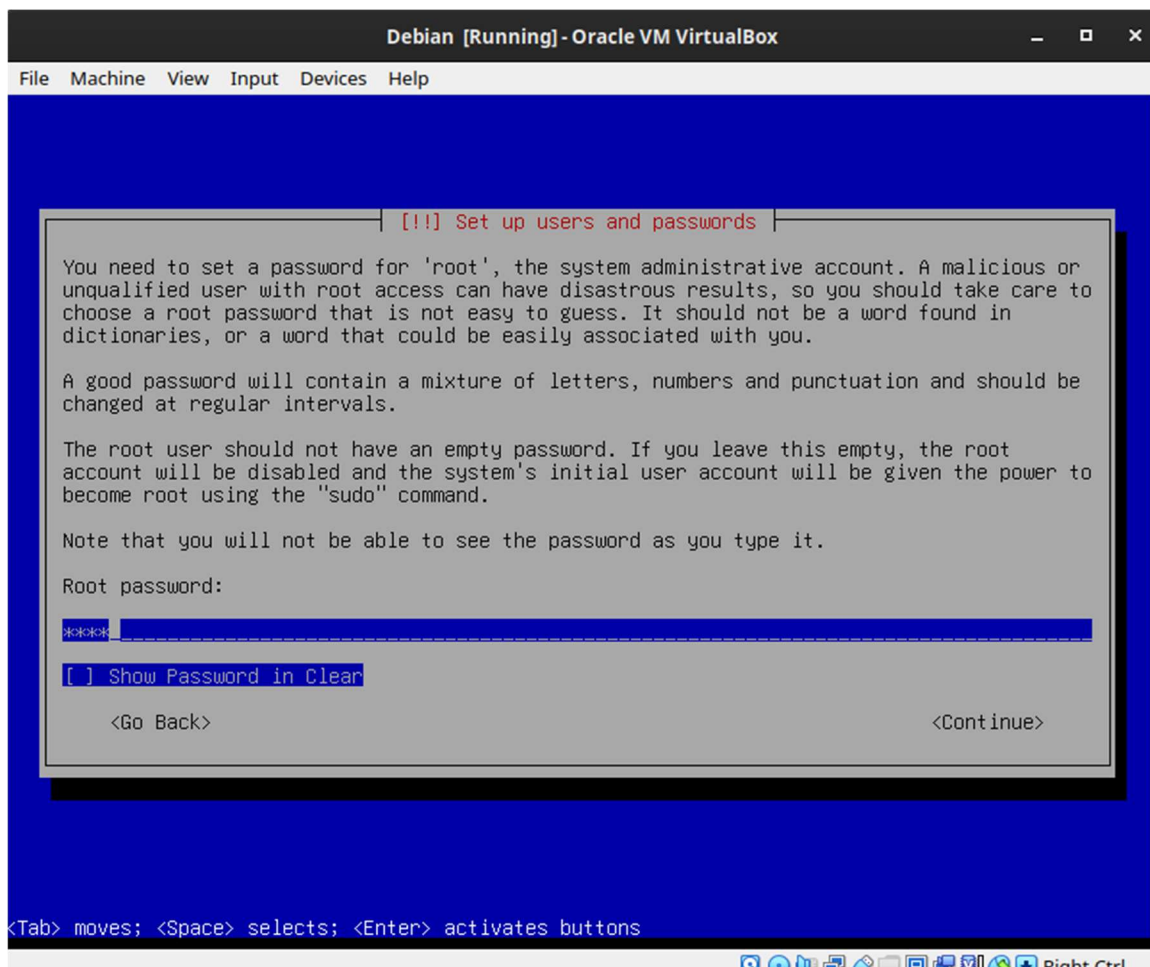
Select your **language**, **region**, **language** and **keyboard** format.

In the next window, enter your **network** name, which may be the **same** as your virtual machine name.

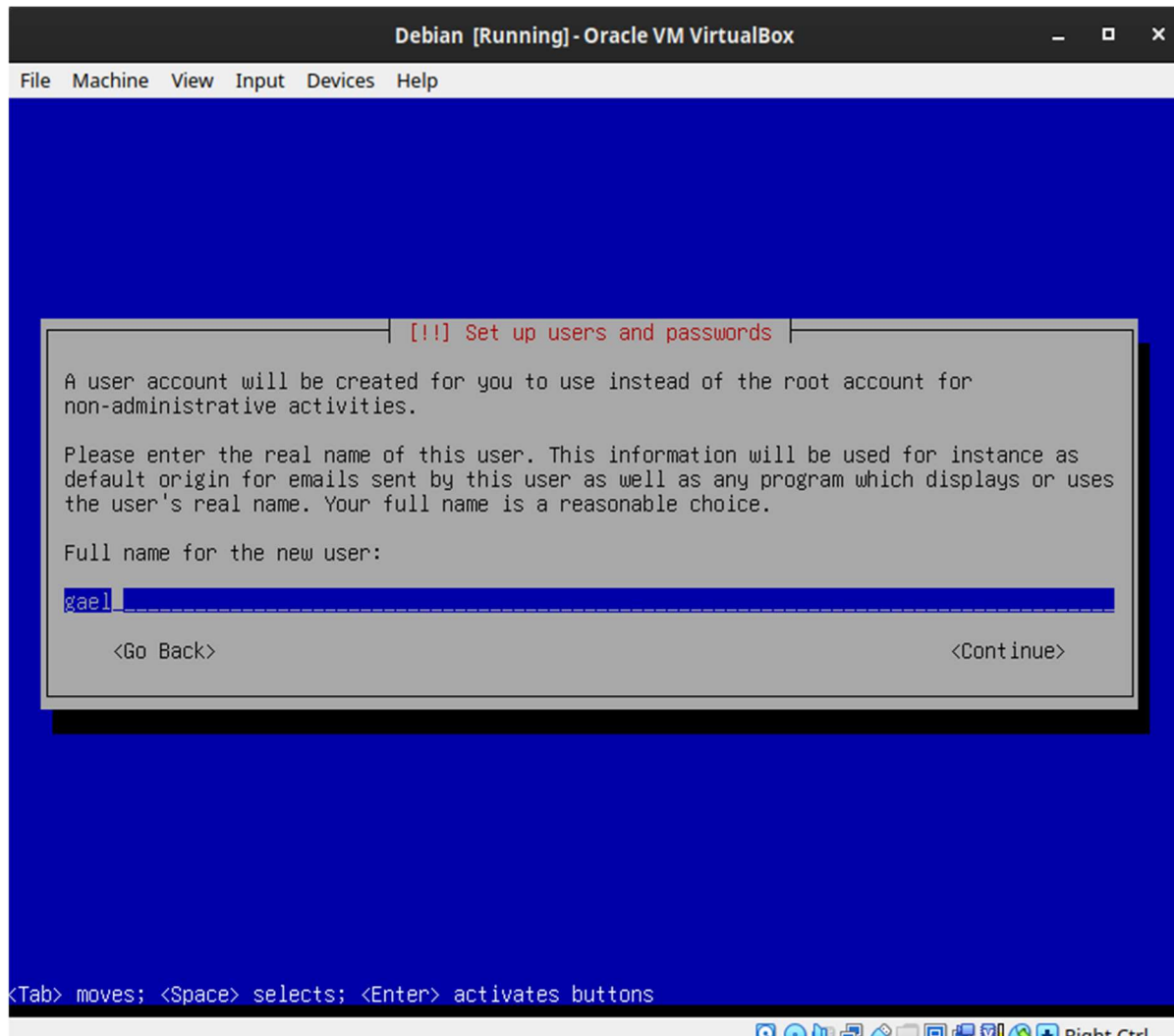


Enter your **domain** name, or **leave** the field blank.

You're now on an **important** page: setting the password for your **SuperUser** account. This is an account that has absolutely **all** rights on your machine, so you need to make it **secure**.



Next, enter the **name** of your virtual machine's 'normal' account, which I call by my first name:



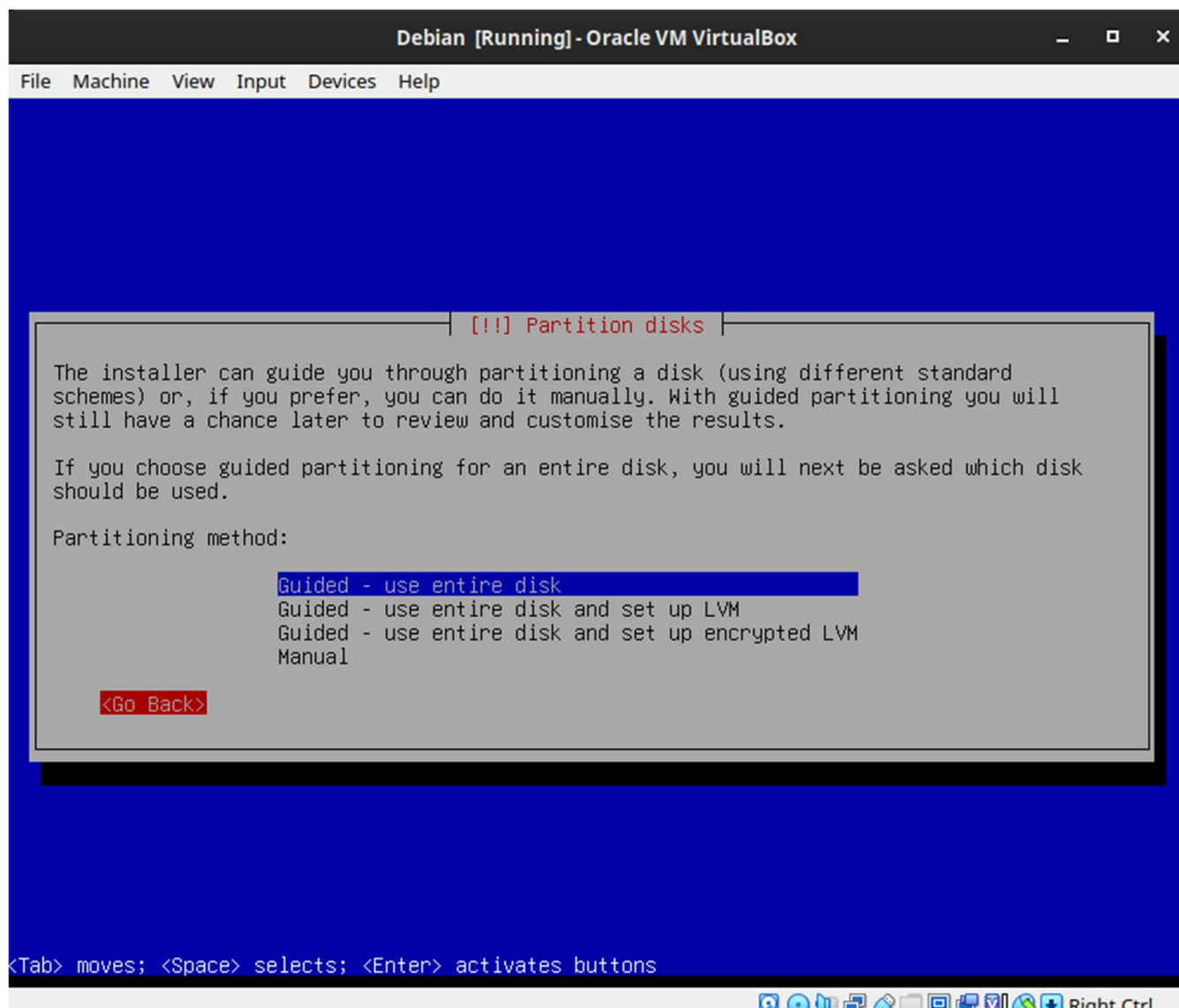
The next page will ask you for your **nickname**, which may be the same as on the previous page.

On the next page, specify a **password** for your account and **validate** it.

Then select your **time** zone.

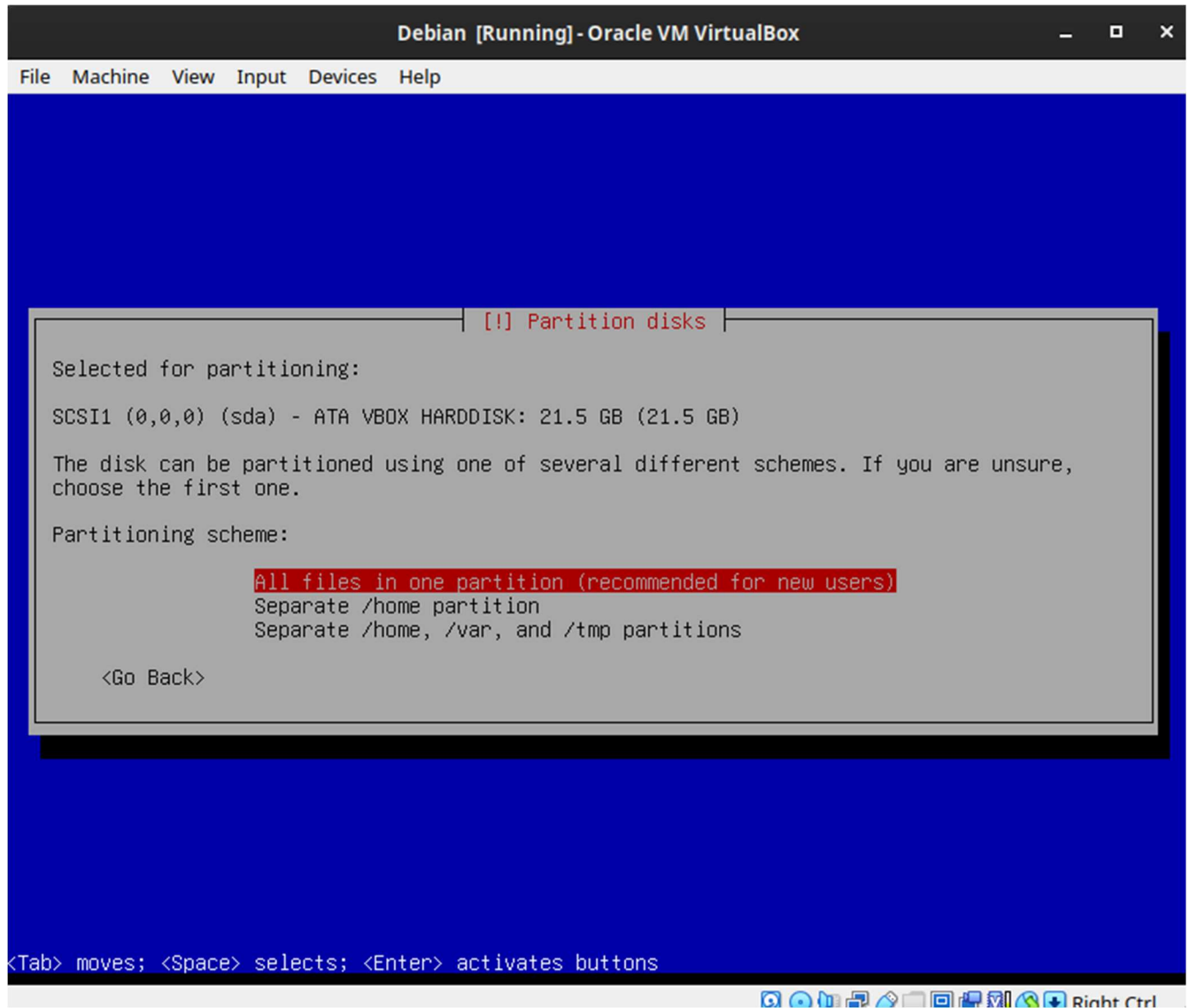
Now comes the **crucial** step: installing the **system on disk**.

Select the guided installation which specifies '**use the Entire disk**'.

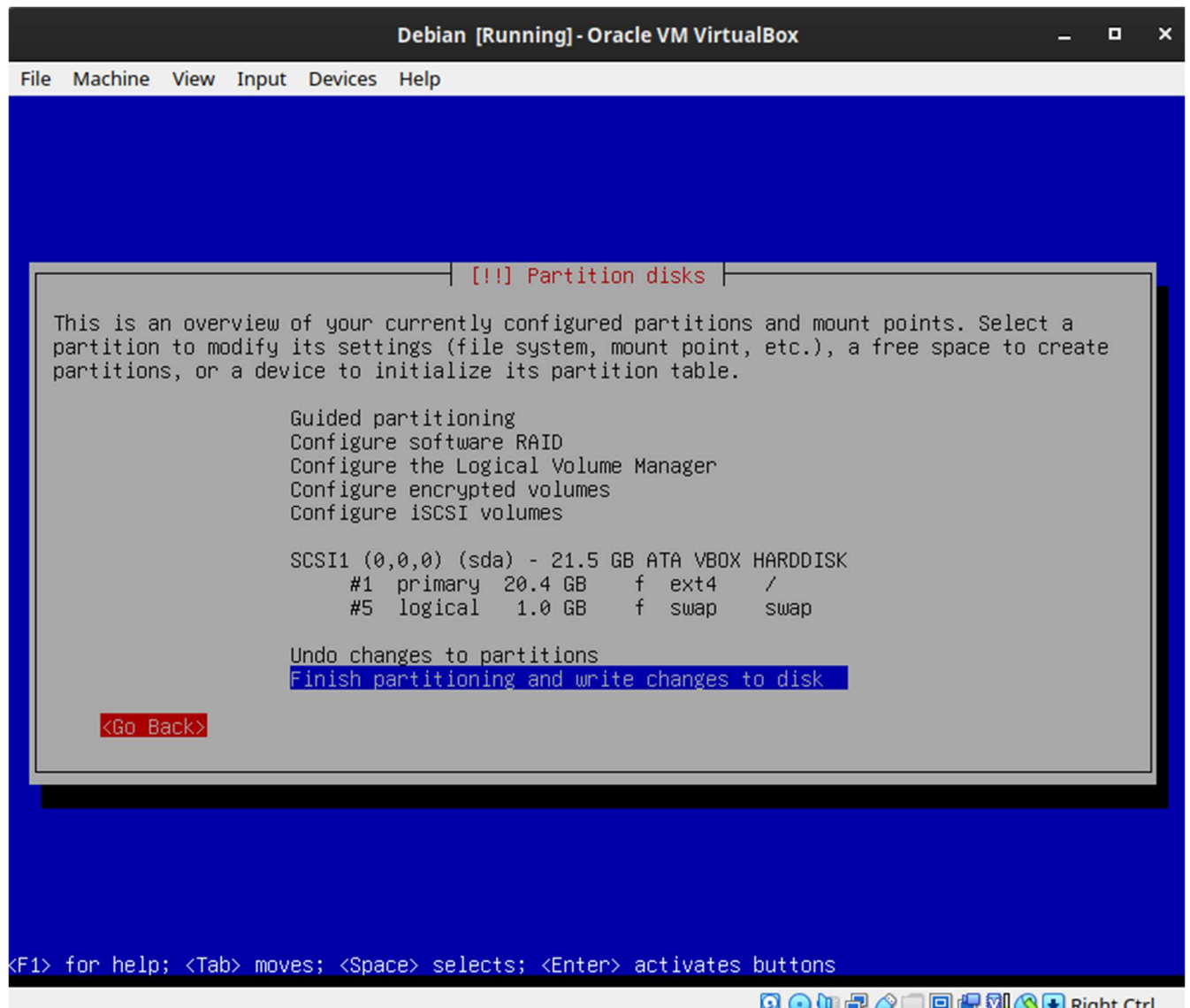


In the disk selection window, select your **20GB** (21.5Gb) disk.

A window will **ask** you for a partition scheme, select **like** this one:



On the window as below, select the option 'Finish partitioning and write changes to disk'.



Confirm your choice and wait for the system to install.

You'll now come to the next big step: configuring mirrors:

A **mirror** is a public server connected to the operating system, enabling you to download applications quickly and securely. Not all applications are in the mirror, but the most useful ones are.

Choose your **nearest** mirror region, then the mirror itself: **deb.debian.org**

Confirm your **choice** and skip the **HTTP** window.

Then choose your **working** environment, select or deselect with **the space key** and **confirm**. Leave **Gnome** if you're not sure of your choice.

On the **GRUB** installation window, select the **main** partition **installation** option and select your **disk**.

Once the **system** has rebooted after selecting the grub installation option, congratulations, **you've installed Debian!**

CONGRATULATIONS!