

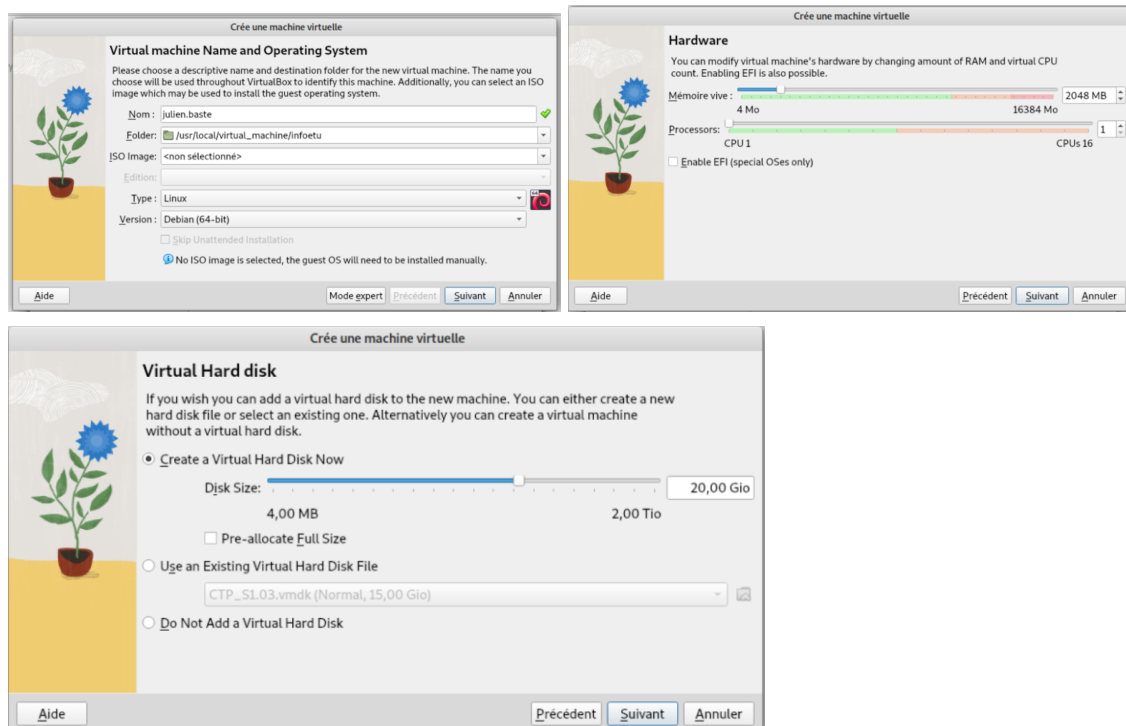
S1.03 - MICHAUX Lony, DARQUES Charlie

BUT1 Groupe C

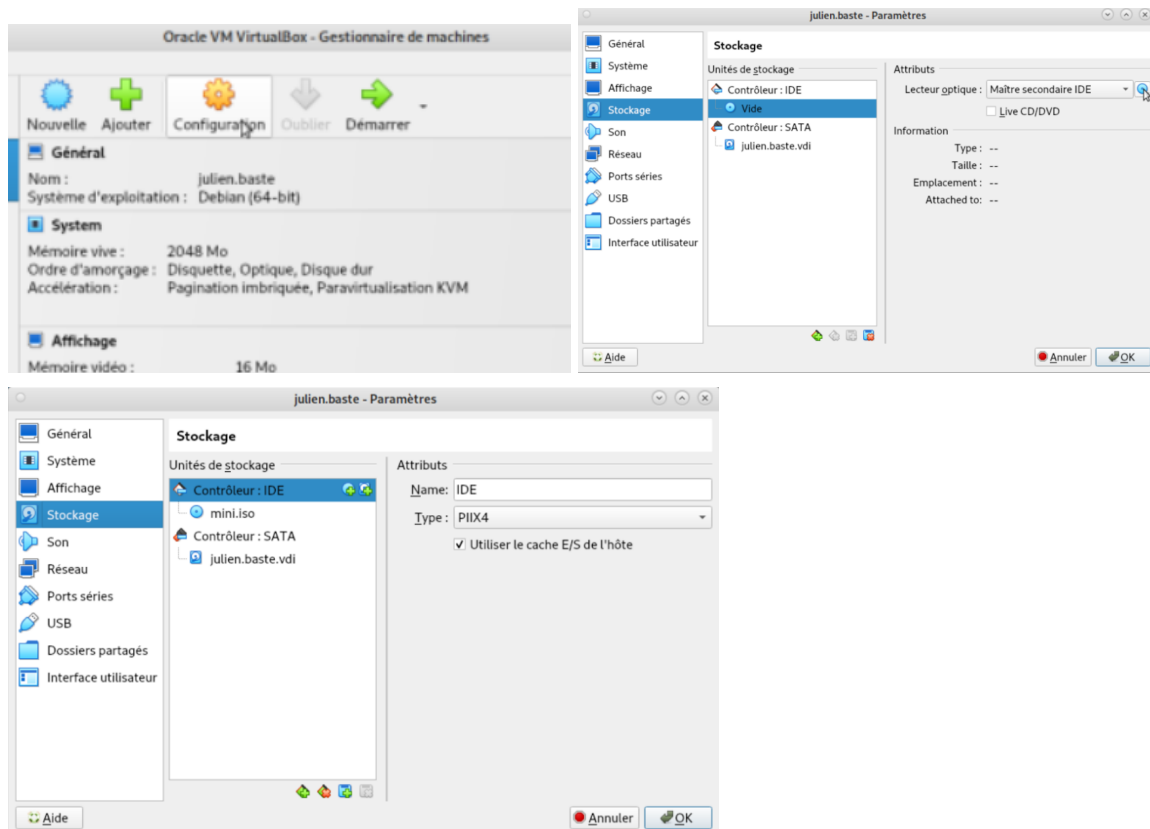
Hello ! Here's every step you need to follow to create your own virtual machine. First, open the VirtualBox software, click "New". There's a lot of fields, but don't panic! Call your virtual machine like you want. Then, choose a folder (at uni, don't put it in your "home" directory).



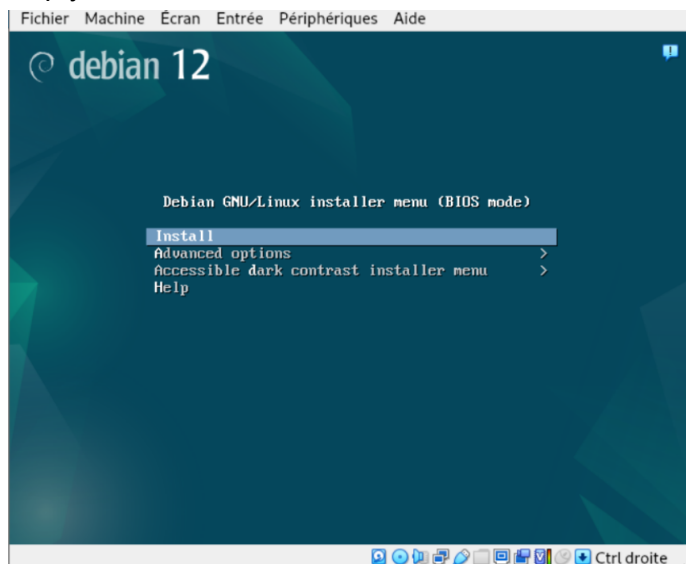
Select the operating system type corresponding to your ISO file (ie. Debian in our case).



Virtual machine created, congrats! Next step is to install it. Go to the "Config" panel of your VM, "Storage", "Controller" : click on the CD, then select your ISO (/home/public/iso/mini.iso for us).



Run the VM, you should see a menu, click on “Install”. The next steps are easy, you just need to choose your locale, keyboard layout, etc. Leave the “domain” and “http proxy” empty.



Configure your username, password, superuser password... For disk partitioning, just choose to use the entire disk, it's the easiest, and you're not a nerd (yet). Be careful choosing the right desktop environment, choose “MATE”, it's light, and for the other software, just choose SSH server. Last step, select “Yes” when you're asked to install GRUB (it's very important).

Installation finished, congrats, you're almost a pro !

Your machine is now ready to use. Start the VM and GRUB will ask what operating system it should start the VM on. You can either wait five seconds or press Enter to start Debian. The machine will start and you will be able to log in with the username and password you chose earlier.

You still have some configuring to do, so you will need to open a terminal (CTRL + ALT + T, or click on “Applications”, “System Tools” and “MATE Terminal”).

The commands you must run require the superuser’s rights, so you should log in as superuser using the *su* - command in the terminal. The superuser password will be asked to access it, so don’t get mixed up between the two passwords you chose !

Once you’re logged in as a superuser, you must configure the VM so that the size of the screen automatically adjusts when you move it, or to be able to drag and drop files between host and guest systems. To do that, enter the following commands :

```
wget https://env.iutinfo.fr/config-virtualbox  
source config-virtualbox
```

In the “Peripheral devices” menu, get in the “Shared clipboard” sub-menu and select “bidirectional”. Do the same in the “Drag and Drop” sub-menu. That way, you will be able to copy and paste content or files from your physical PC to your virtual machine and vice versa.

To validate the changes, restart your virtual machine in the “System” menu, click on “Turn Off” and select “Restart”.

Then check if the size screen of the virtual machine is correctly adjusting to the VirtualBox’s screen, and that you can manipulate content between your host machine and guest machine.

Once it’s done, you have a fully functioning virtual machine ready to use freely.

Well done, you successfully became a nerd like us !