

VirtualBox :
> README file

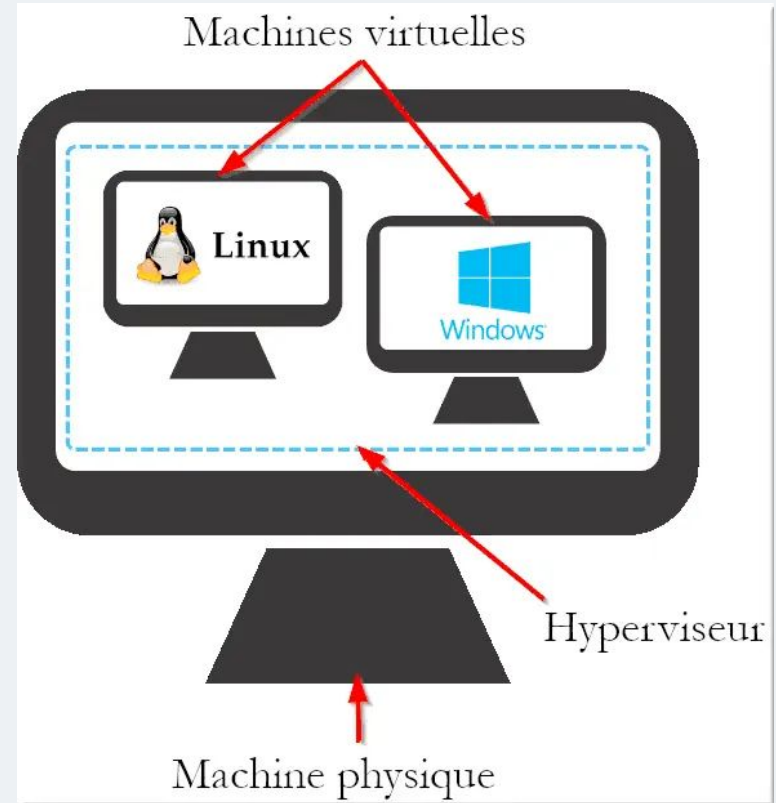
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What is a virtual machine ?

- A virtual machine is like a computer inside your computer.
- It allows you to use another operating system without changing your real system.
- It is a solution used a lot in computing, for learning, for developing software, for cybersecurity, or just to try new systems.

Example:

Run Linux on a Windows computer to learn or test safely.



How to install VirtualBox :

- Download VirtualBox from the official website.
- Open the downloaded file and click **Install**.
- Accept the default options until installation finishes.
- Open VirtualBox to start creating your virtual machine.



Creating and starting your VM:

- Open VirtualBox and click “**New**” to create a virtual machine.
- Fill in the settings:

Name : your login, Linux , version Debian 64-bit.

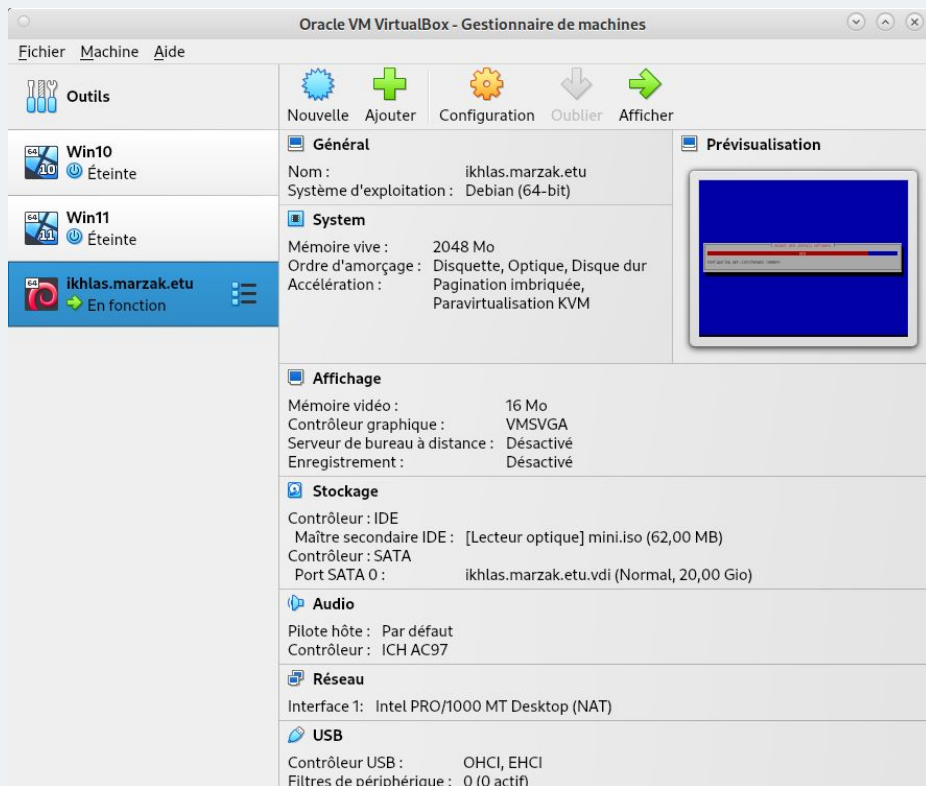
Machine folder : choose a safe location.

Memory : 2048 MB.

Processor : 1 CPU.

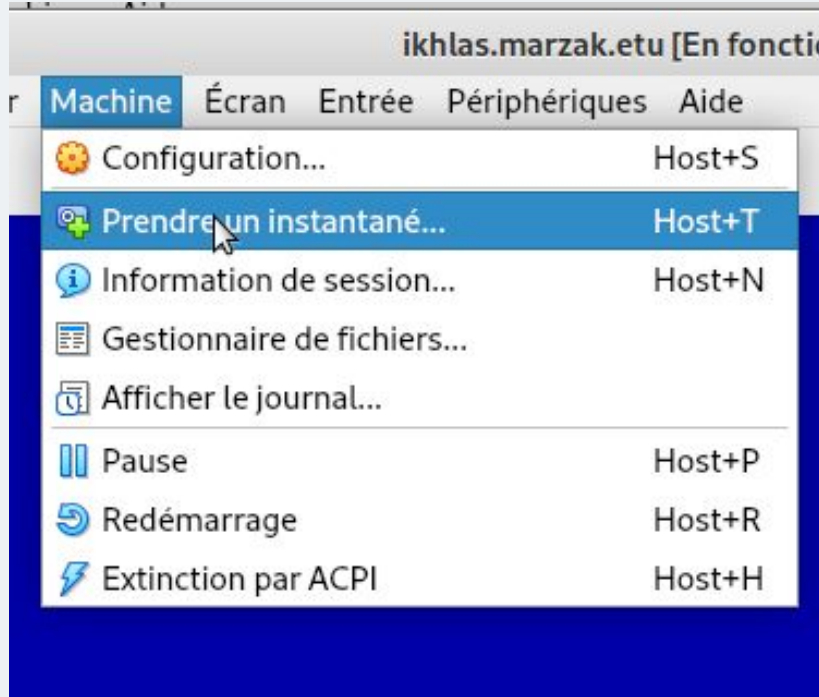
Hard disk : create a new virtual disk, 20 GB.

- Attach the downloaded Debian ISO file in storage settings.
- Click **Start** and follow the steps to install Debian.

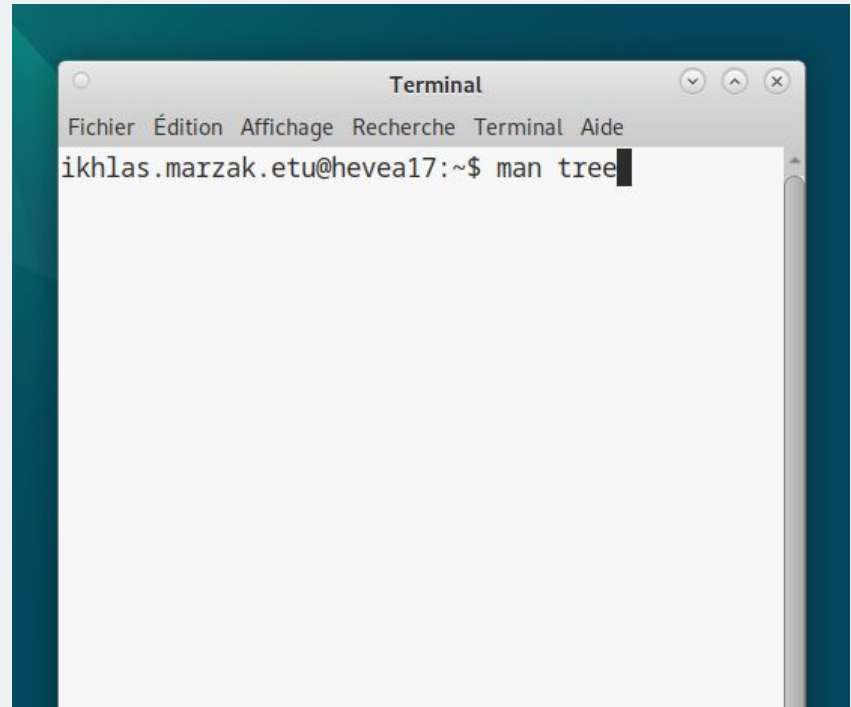


Functionalities:

> instances :



> terminal (shell) :



Functionalities:

> user rights :

`root` has access to all files

`Sudo` can be used before a command to have access for users that are not `root` but are part of the `sudoers` group.

> packet managers :

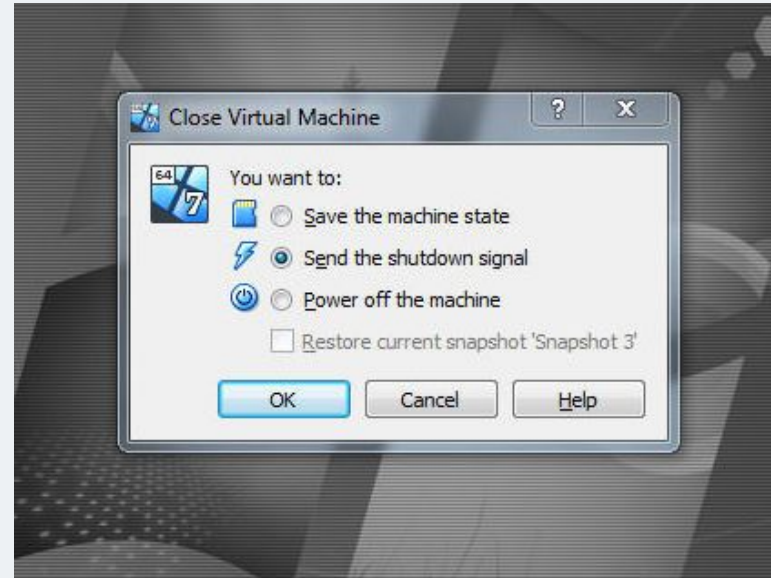
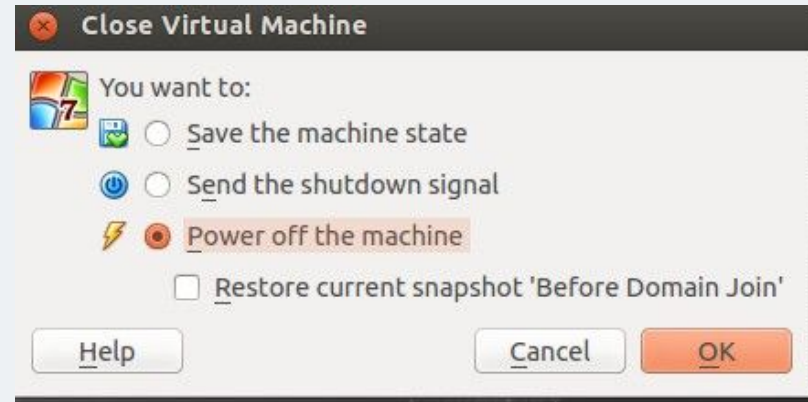
`apt` is used by debian:

```
~$ apt install firefox
```

Tips for Safe and Efficient Use :

- Always shut down your virtual machine properly.
- Save your work or use snapshots before making big changes.
- Don't use all your computer's memory for the virtual machine.
- Keep your system and software updated.

If you follow these tips, your virtual machine will stay safe and easy to use.



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> Thank you
for listening