

Week Report 2

The Basics of Virtualization

1. What is virtualization?

- Virtualization is the replication of hardware to simulate a virtual machine inside a physical machine.

2. Types of virtualization

- There are two types of virtualization. Type 1 runs on the hardware, while Type 2 runs on a host operating system.

3. Installing Ubuntu in Virtualbox

You can name your vm however you want but it is good practice to name it something that indicates what OS is being installed or the purpose of the vm.

This indicates where the virtual machine is located in your host machine.

This indicates the type of operating systems and the versions available. If you do not see a 64 bit version of the OS available is probably because virtualization is not enabled in your computer

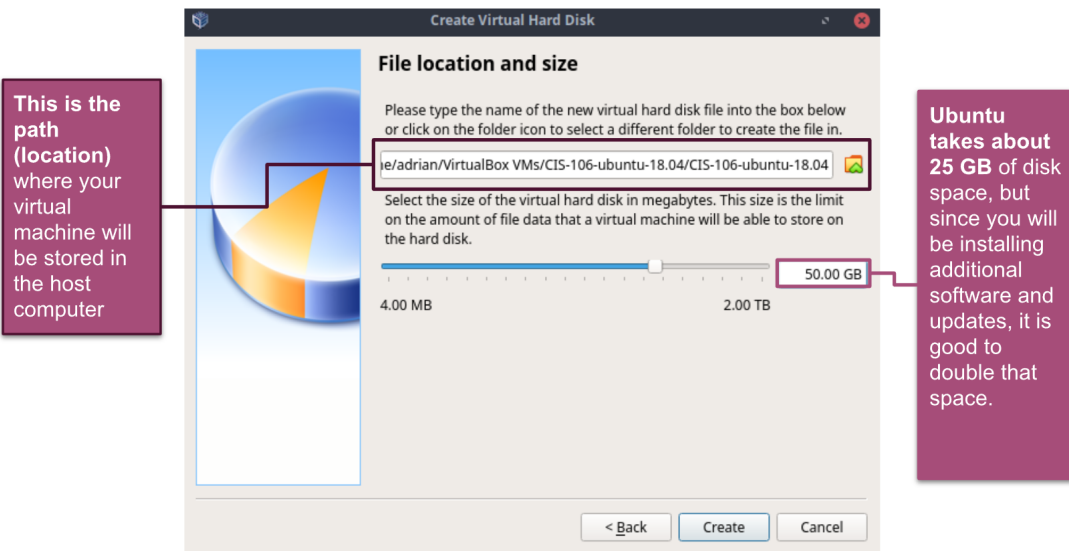
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Ubuntu Desktop requires at least 2GB of RAM but if you have more than 8GB of RAM you can increase the amount of RAM you give the virtual machine without diminishing your host OS performance significantly.

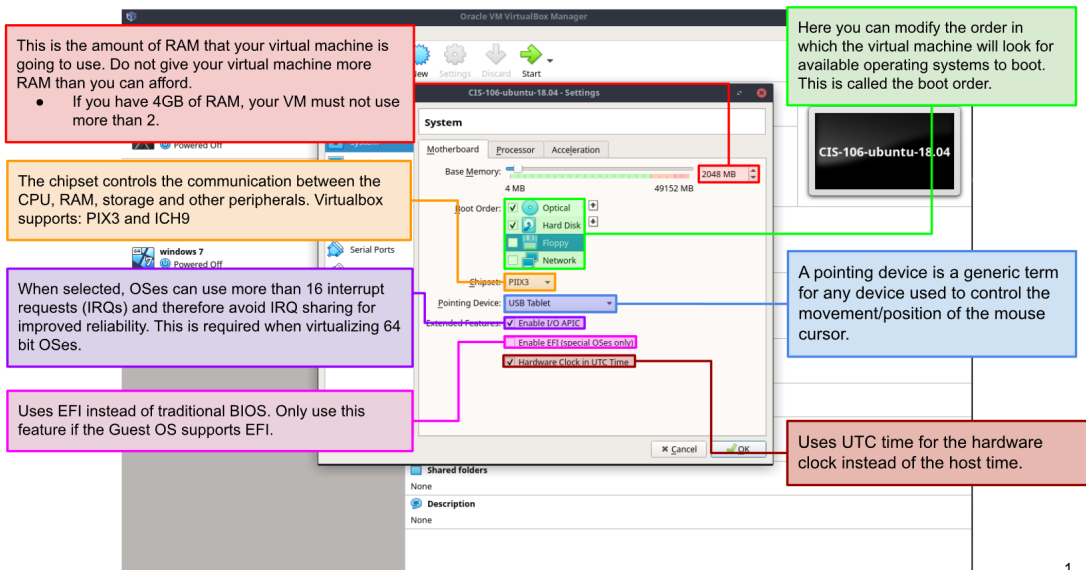
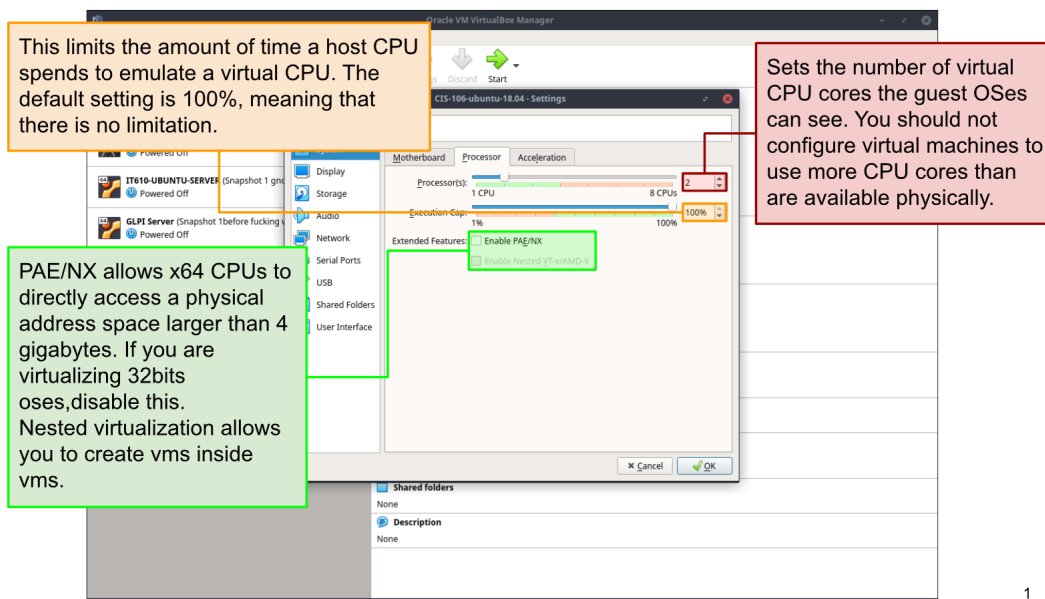
Here is a tip.

- If you plan to run only 1 virtual machine at a time and you have 8GB of RAM. You can give your vm 4GB of RAM and your PC will still be fast.
- If you have 4GB of RAM. Do not give your VM more than 2GB of RAM.

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