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## Week Report 2

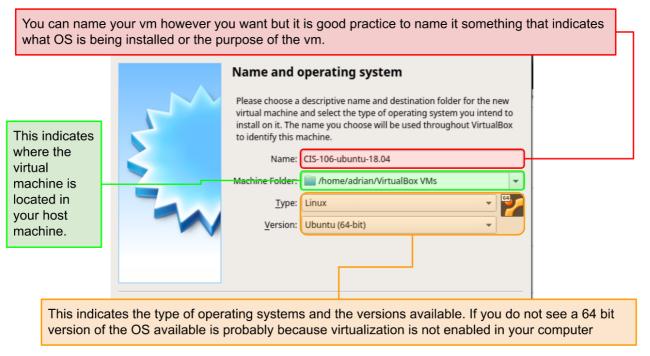
## The basics of virtualization

- 1. **What is virtualization?** Virtualization replication of hardware to simulate a virtual machine inside a physical machine
- 2. Types of Virtualization There are two types:
  - Server side virtualization provides a virtual desktop to each user. Server-side-virtualization
  - **Client-side virtualization** is installed using software on a computer. Each virtual machine has it's own operating system and software applications.

The main difference between the two is where the virtualization occurs

## Installing Ubuntu in Virtualbox

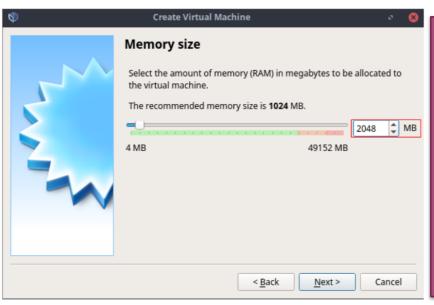
\*Ubuntu Installation Process. In my opinion, these steps are important.



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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.

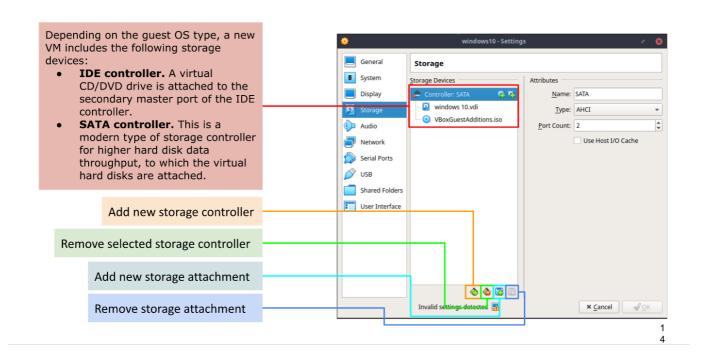


Here is a tip.

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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You can use the live environment as a regular computer. All ubuntu's default applications are available in this environment. However, any changes will not remain as well as any data saved in this environment

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## Update Ubuntu 20.04

- Two ways:
  - Using Ubuntu Software Update
  - Using the command line
    - Command:

sudo apt update; sudo apt upgrade -y; sudo apt full-upgrade -y





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