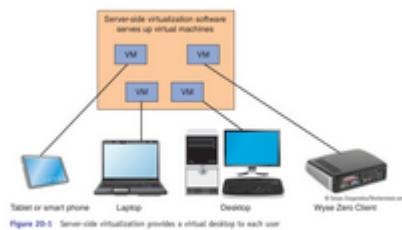


Week Report 2

The basic of Virtualization

1. **What is virtualization** Definition: A simulation of a physical machine that could be use virtually.
2. **Types of virtualization**
 - **Server Side Virtualization** Definition: One physical machine that can create multiple servers in each single device. Also can be use either on a **thing-client** or a **thick-client**

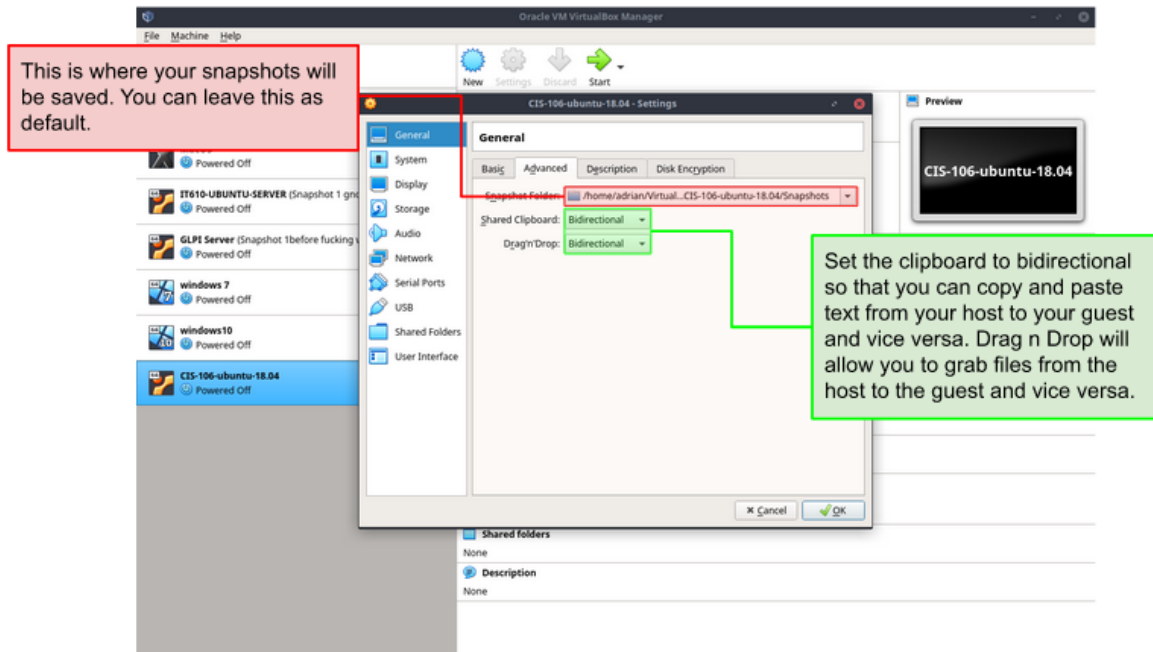


- **Client-side Virtualization** Definition: A software application that can be installed in a computer and it has an operating system for each vm. Also, requires a **hypervisor** and a **hardware support**.



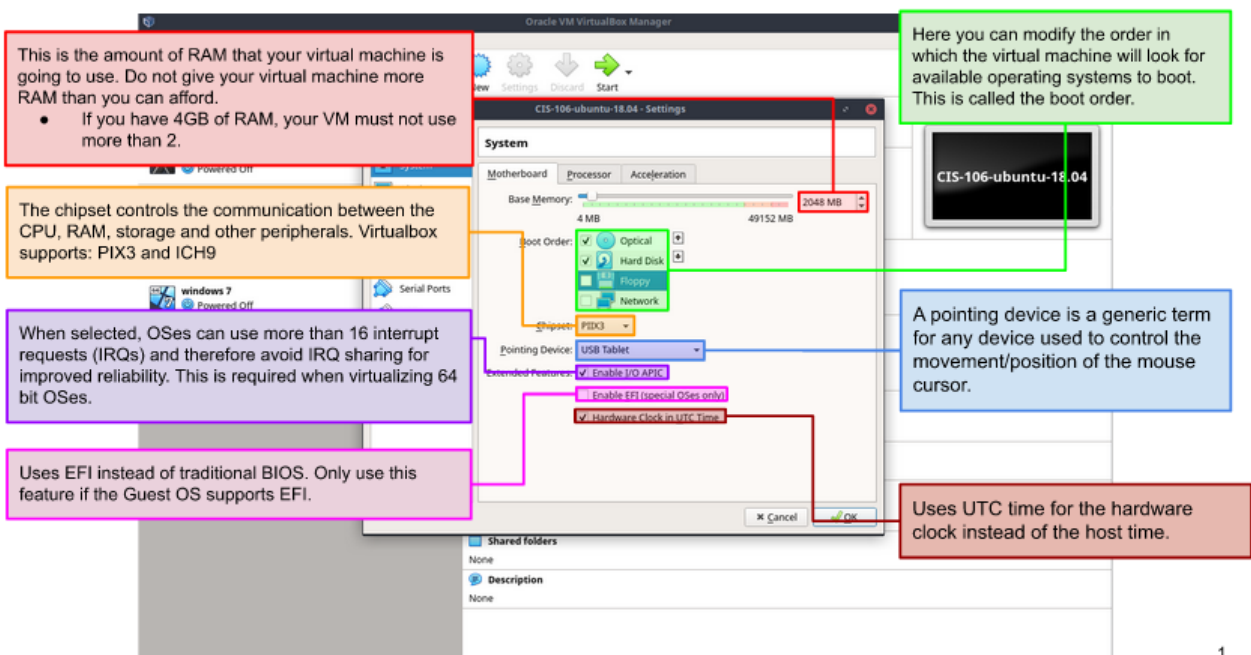
Installing Ubuntu in Virtualbox

- Bidirectional

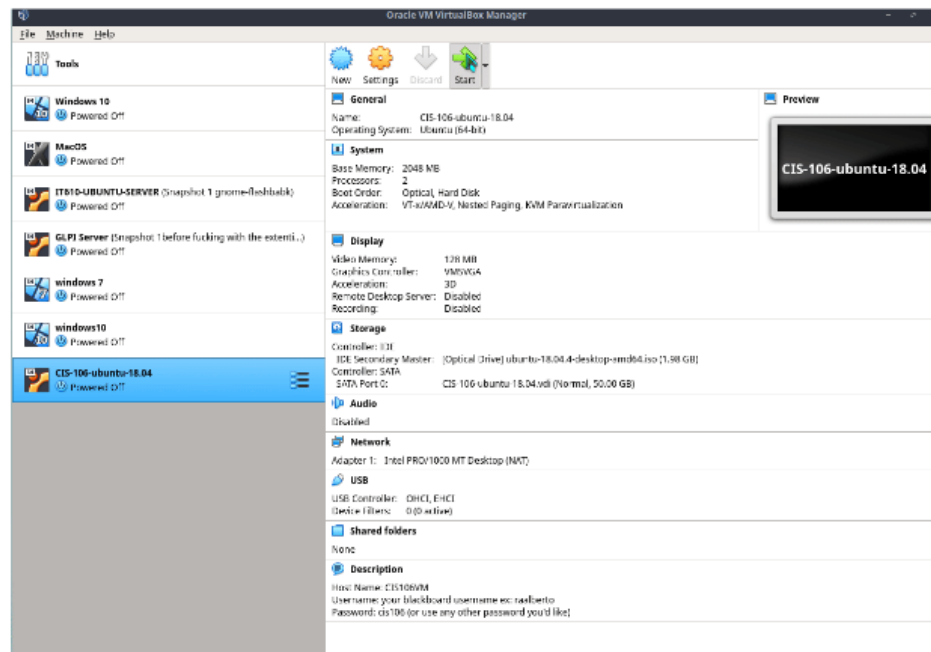


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- Motherboard

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- Starting Ubuntu



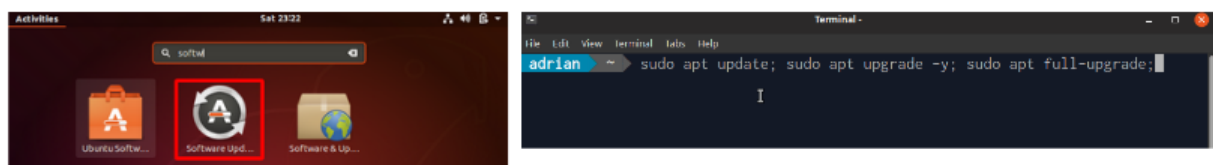
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- Two different ways to Update Ubuntu

Update Ubuntu 20.04

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

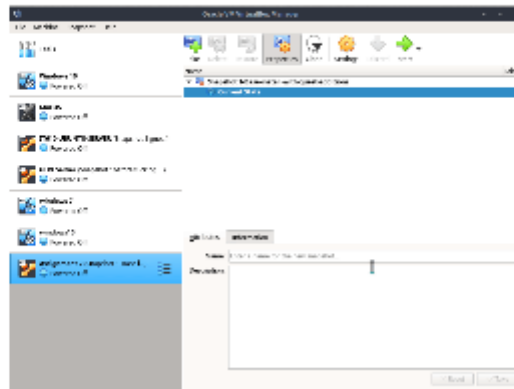
```
sudo apt update; sudo apt upgrade -y; sudo apt full-upgrade -y
```



3
2

Take a snapshot of a virtual machine

Always take snapshots of your virtual machine turned off to reduce the size of the snapshot.



- Taking a snapshot

3
4