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Week Report 2

The basics of virtualization

What is virtualization?

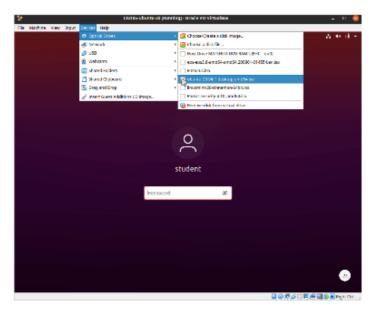
Virtualization is when there is replication of hardware to simulate a virtual machine inside of a physical machine.

Types of Virtualization

- 1. Server side virtualization software provides virtual machines for others to use. The virtual machines provided can be used with equipment such as thick client, thin client, or zero client.
- 2. Client side virtualization is software installed directly onto a computer to manage virtual machines. The virtual machine has must have its own operating system installed. For client side virtualization to function the computer needs a hypervisor and hardware support.

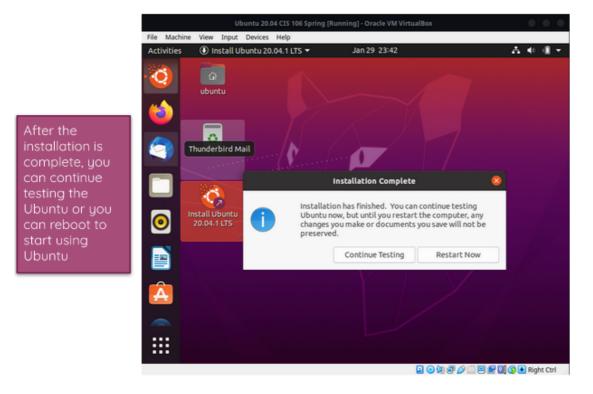
Installing Ubuntu

Install VirtualBox Guest Additions



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Create Virtual Hard Disk File location and size This is the Please type the name of the new virtual hard disk file into the box below Ubuntu path or click on the folder icon to select a different folder to create the file in. takes about (location) e/adrian/VirtualBox VMs/CIS-106-ubuntu-18.04/CIS-106-ubuntu-18.04 25 GB of disk where your space, but Select the size of the virtual hard disk in megabytes. This size is the limit virtual since you will on the amount of file data that a virtual machine will be able to store on machine will the hard disk. be installing be stored in additional 50.00 GB the host software and 4.00 MB 2.00 TB computer updates, it is good to double that space. < Back Create Cancel

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Update Ubuntu 20.04

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

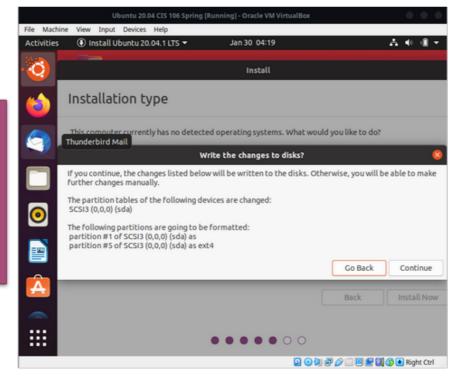
sudo apt update; sudo apt upgrade -y; sudo apt full-upgrade -y





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Ubiquity warns you to review the changes made to the disk before continuing. If you followed the steps so far, it is safe to continue.



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