

Week Report 2

The basics of virtualization

What is virtualization?

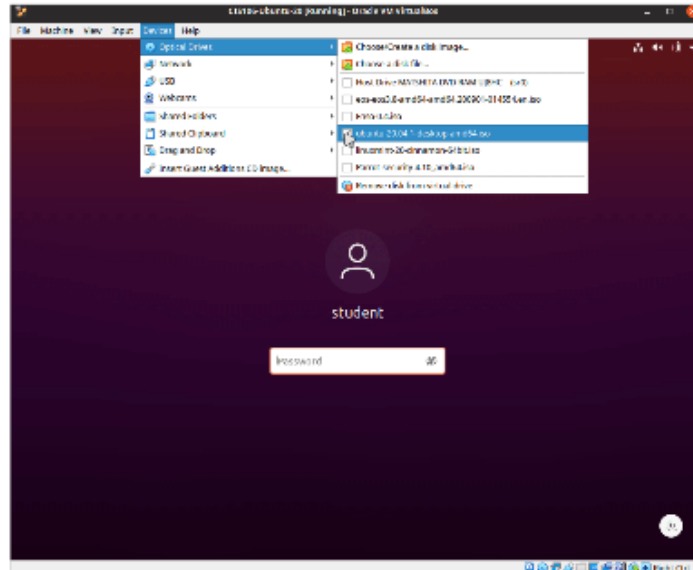
Virtualization is when there is replication of hardware to simulate a virtual machine inside of a physical machine.

Types of Virtualization

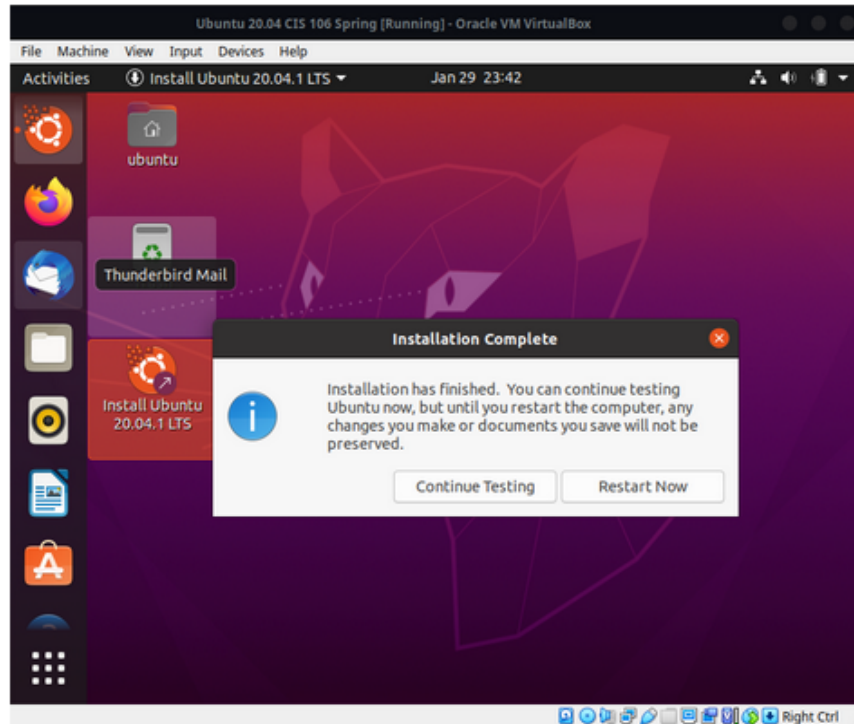
1. Server side virtualization software provides virtual machines for others to use. The virtual machines provided can be used with equipment such as thick client, thin client, or zero client.
2. Client side virtualization is software installed directly onto a computer to manage virtual machines. The 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

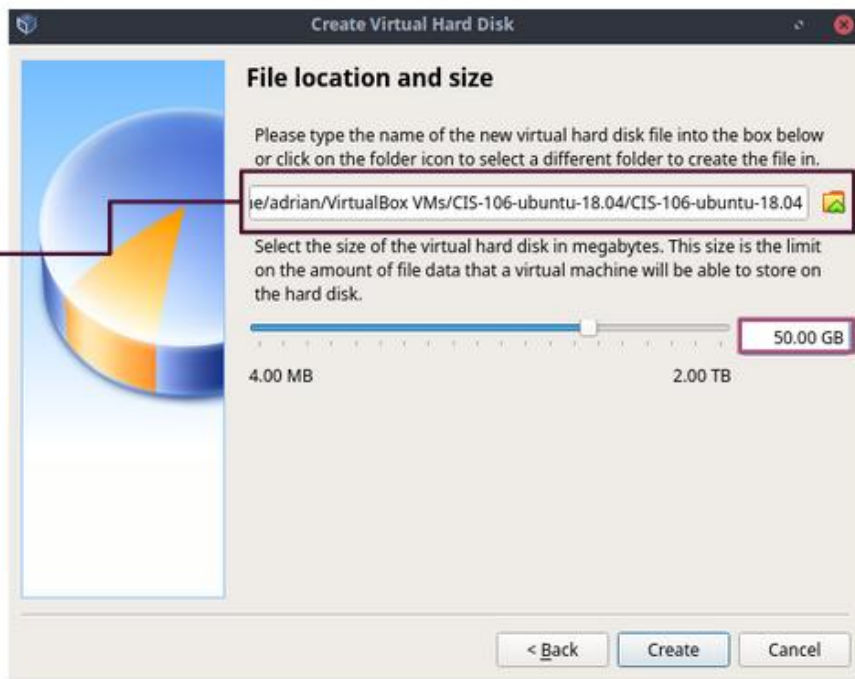
Install VirtualBox Guest Additions



After the installation is complete, you can continue testing the Ubuntu or you can reboot to start using Ubuntu

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This is the path (location) where your virtual machine will be stored in the host computer



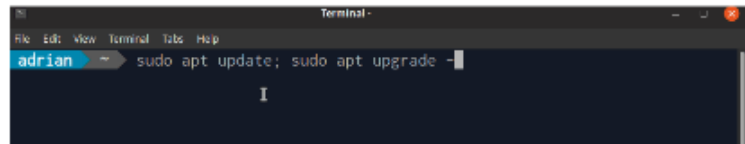
Ubuntu takes about 25 GB of disk space, but since you will be installing additional software and updates, it is good to double that space.

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Update Ubuntu 20.04

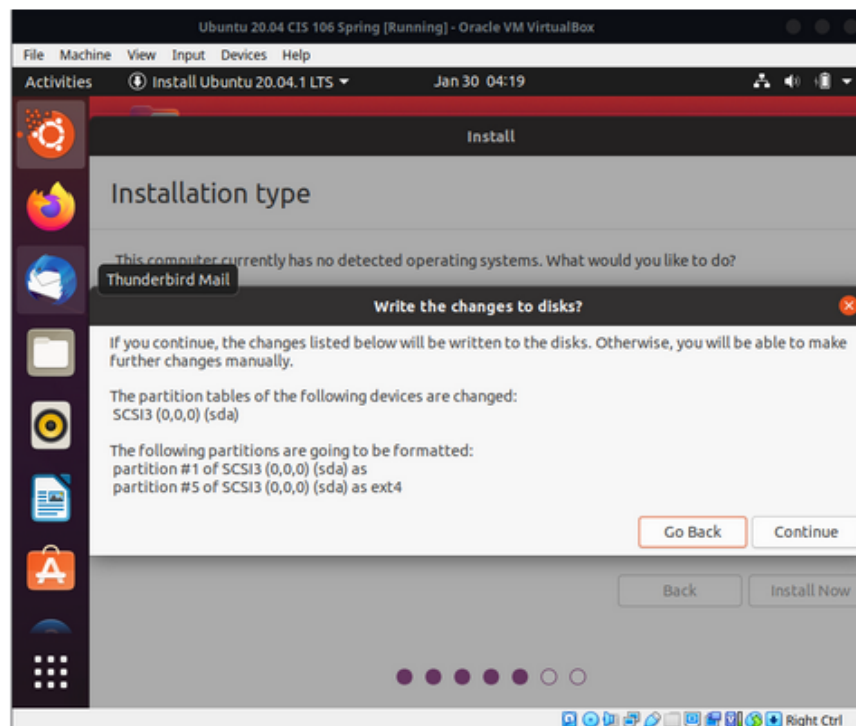
- Two ways:
 - Using Ubuntu Software Update
 - Using the command line
 - Command:

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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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