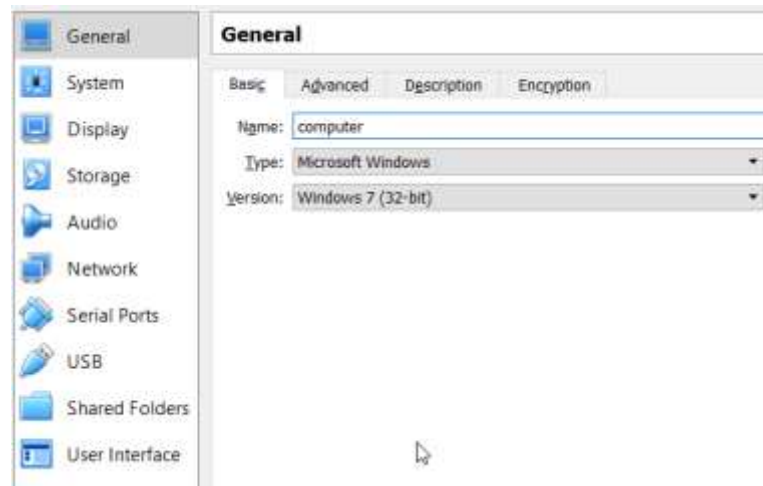


Virtual box Ubuntu setup:

Overview

- In order to use Ubuntu OS on our computer we have 2 options:
 - Installing it as an OS alongside our Windows OS (Dual boot).
 - Using virtual machine (Oracle Virtual box/ VMware).
- To simplify our work, we are going to use the second option using Oracle VirtualBox which can be found online <https://www.virtualbox.org/wiki/Downloads>
- VirtualBox is powerful *Cross-platform Virtualization Software*.
- "Cross-platform" means that it installs on Windows, Linux, Mac OS X and Solaris x86 computers.
- And "Virtualization Software" means that you can create and run multiple Virtual Machines, running different operating systems, on the same computer at the same time.
- For example, you can run Windows 7 and Linux Ubuntu on your Windows 10 machine.
- Each virtual machine has all the abilities of a regular computer includes:
 - Motherboard Options
 - CPU options
 - RAM options
 - Drives (CD/Floppy, Hard disks)
 - Audio
 - Network
 - And more..



Setup

Ubuntu OS is available in Ubuntu website as an .iso file.

<https://www.ubuntu.com/download/desktop>

- Once download is done, enter Oracle VirtualBox



- Press new
- Give your machine a name (any) choose type: **Linux** and Version: **Ubuntu (64**)**.

Name:	<input type="text" value="Ubuntu"/>
Type:	<div>Linux ▼</div>
Version:	<div>Ubuntu (64-bit) ▼</div>



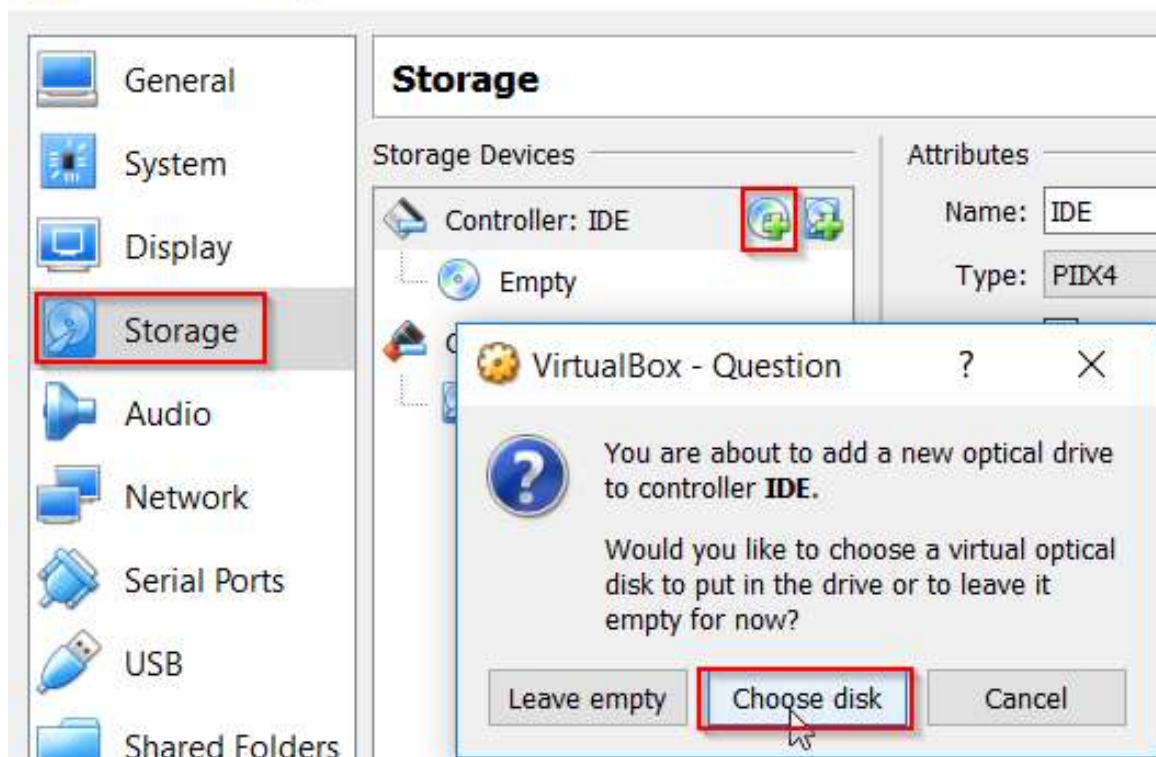
- Choose the memory size (at least 1024 is recommended).
- Choose “**create a virtual hard disk now**” option, to add it to your machine.
- Choose VDI (VirtualBox Disk Image).
- Choose Dynamically allocated
- Choose 20GB
 - ** If 64 bit not showing, you will need to enable CPU virtualization.

- Now your machine is ready, let's install the Ubuntu OS on it.



- Choose **Settings**
- Go under **storage** → Press the add disk icon → **Choose disk** option
- Browse to the Ubuntu .iso we downloaded earlier.

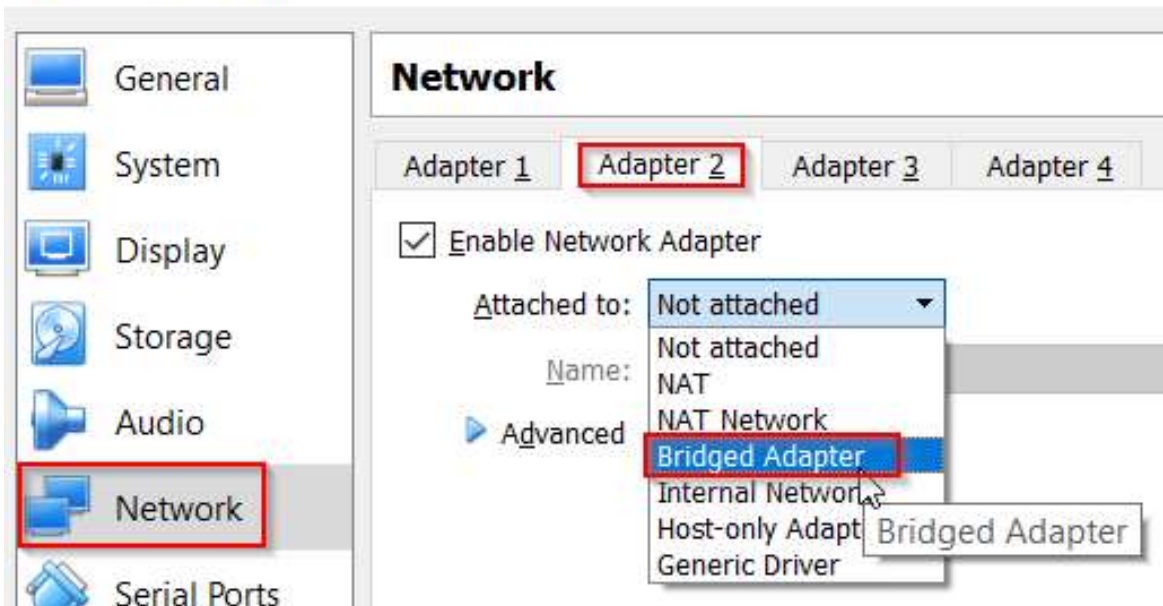
Ubuntu - Settings



Network setup

- To have the ability to perform all network operations, we will need to configure one more thing.
- Go under Network → Press Adapter 2 → mark Enable Network Adapter → Choose Bridged Adapter → Press OK

🐧 Ubuntu - Settings



- Press start button to start the machine

- During the installation, you will need to choose a few options, mark the following:
 - Language - English
 - Install third party – V
 - Erase disk and install Ubuntu – V
 - Write changes to disk – V
 - Where are you – Jerusalem
 - Keyboard layout – English (US)
 - Name & Password – any.
- Eventually, you will see:



- Once the installation process is done, we will be asked to restart the machine.
- After that we will need to remove the cd (the .iso file).
- To do so, follow the steps below:
 - Close the machine (shut down)
 - Go to machine settings → Storage → choose the CD → press remove button
 - Restart the machine.

