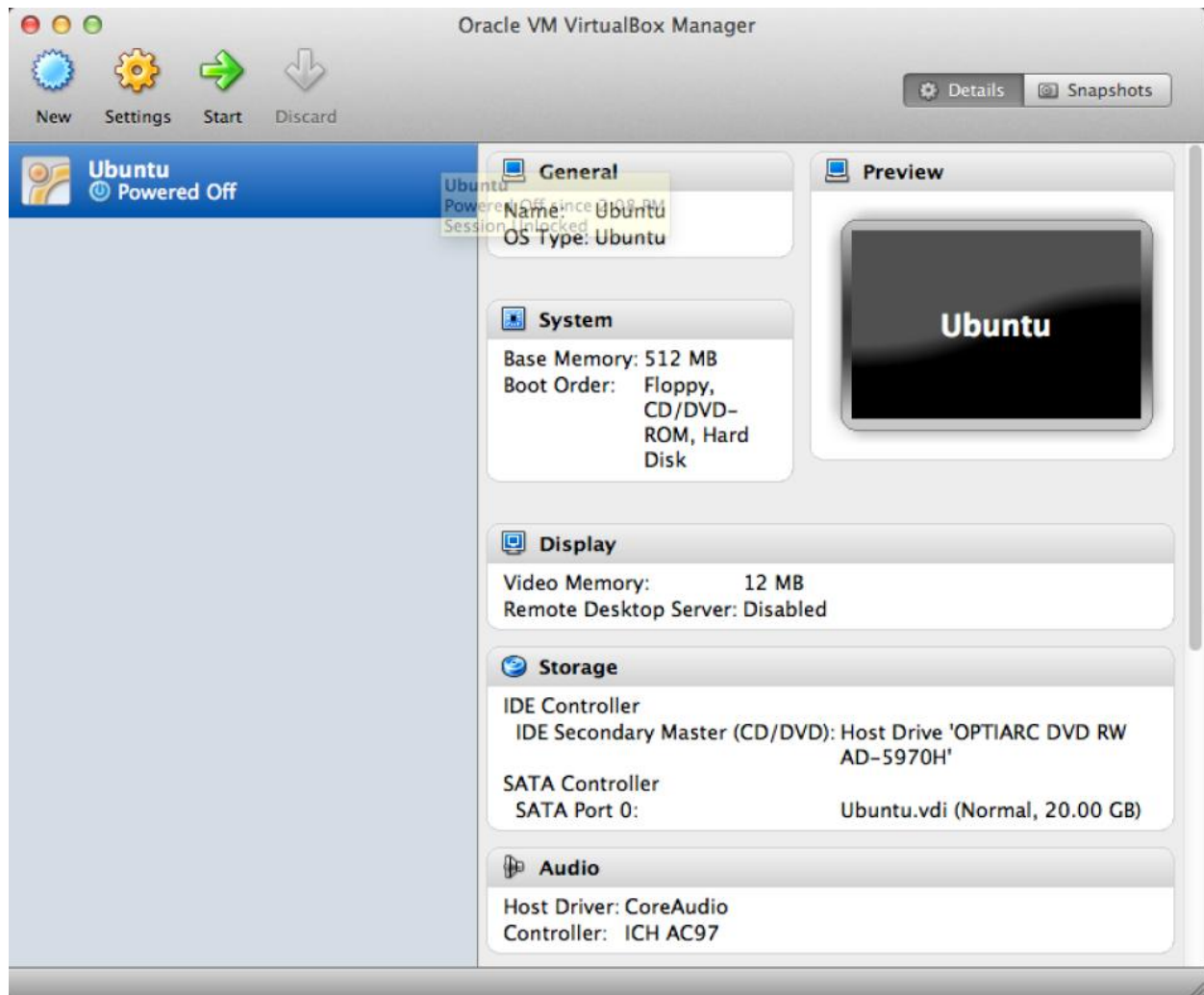


Running Ubuntu through Virtualization

If you'd like to run Ubuntu on your machine without creating a partition and dual-booting, you can use virtualization to run Ubuntu from within your existing operating system. To do so, follow these steps:

1. Download and install VirtualBox
 - a. <https://www.virtualbox.org/wiki/Downloads>
2. Download Ubuntu: Be sure to select version **10.04**, **desktop**, and **amd64**, before downloading
 - a. <http://releases.ubuntu.com/10.04/>
3. Launch VirtualBox
4. Create the Ubuntu virtual OS
 - a. In the top left corner, select 'New', which launches the New Virtual Machine Wizard.
 - b. VM Name and OS Type
 - i. Name: Whatever you like. For example: Ubuntu 10.04
 - ii. Operating System: Linux
 - iii. Version: Ubuntu
 - c. Memory
 - i. Adjust the slider to determine how much memory on your system should be accessible to Ubuntu. This will be dependent on the amount of memory your machine has installed, but I would recommend 512 MB or 1024 MB.
 - d. Virtual Hard Disk
 - i. Start-up Disk: Checked
 - ii. Create new hard disk: Selected
 - e. Virtual Disk Creation Wizard
 - i. VDI (VirtualBox Disk Image): Selected
 - f. Virtual Disk Storage Details
 - i. Dynamically Allocated: Selected
 - g. Virtual Disk File Location and Size
 - i. Location: Select where you'd like the file that represents your virtual OS hard drive to go. Anywhere should be fine as long as you have free space on your hard disk.
 - ii. Size: I would recommend allocating **50 GB**. This will basically allocate that much of your drive space to be used by the virtual OS as its own hard drive.
 - h. You should be done! Click Create.
5. Run the Virtual OS
 - a. In the main Virtual Box screen, you should now see something like:



- b. With your new virtual OS selected in the left column, press Start at the top of the window.
- c. This should start up the First Run Wizard.
 - i. Select Installation Medium: Change the media source so that it points to the Ubuntu ISO image you downloaded earlier.
 - ii. Continue.
- d. When finished, it should start loading the Ubuntu installer. At this point, you have created a virtual hard disk and are starting an installer from a virtual CD (the ISO file you downloaded from the Ubuntu website). You will now install that operating system onto the virtual hard disk.
- e. Be sure to select "Install Ubuntu" and **NOT** "Try Ubuntu".
- f. Continue through the following screens until it begins installing Ubuntu.
- g. After the installation has finished, click the Restart Now button.
- h. **Note:** The VM might not handle restarting correctly. If you find it hanging after you hit restart, close the VM (Power off the Virtual Machine) and start it up again.