# Ubuntu Virtual Box Instructions

1. VERY IMPORTANT: Everyone must verify that programming assignments can be compiled and run on Virtual Box before submission. Failure to compile and run will result in point deductions.
2. Download the latest version of virtual box from this site: https://www.virtualbox.org/wiki/Downloads
3. Download the system image from canvas. Unzip it. You will extract these files:



Logs
4 items
ubuntu.vbox
ubuntu.vbox-prev
ubuntu.vdi

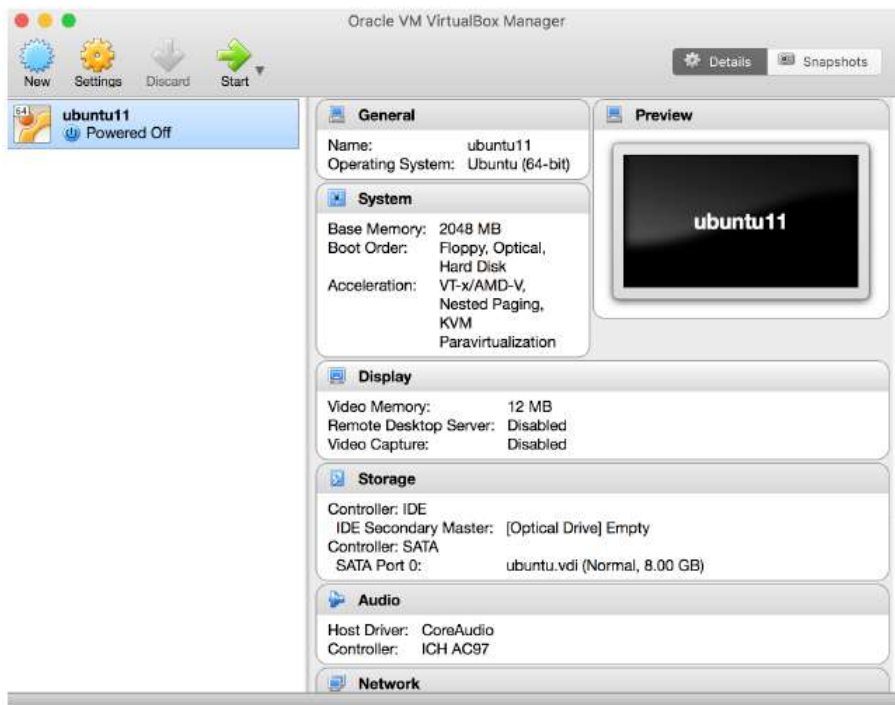where the ubuntu.vdi is the image we will need to use.

4. Mac User:
   (1) After installing the virtual box, open it. Click the "New" button. A dialog will pop up. In this dialog, you just need to name the system like this:



5. (2) Click Continue. The second dialog will allow you the set the memory size for this virtual system. I recommend at least 1024MB.
   (3) Then click Continue to the third page. It makes you choose the hard disk. Check the third radio box-"Using an existing virtual hard disk file".

## Oracle VM VirtualBox Manager

### Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon.

If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created.

The recommended size of the hard disk is **8.00 GB**.

○ Do not add a virtual hard disk
○ Create a virtual hard disk now
● Use an existing virtual hard disk file

Empty

Go Back    Create    Cancel

Then click the little icon          . It will pop up a file selection dialog. Find the "Ubuntu.vdi " you just downloaded. Then click "Create". You will return to the home page:

### Oracle VM VirtualBox Manager

New    Settings    Discard    Start

Details    Snapshots

ubuntu11
Powered Off

**General**
Name:                    ubuntu11
Operating System:   Ubuntu (64-bit)

**Preview**

ubuntu11

**System**
Base Memory:   2048 MB
Boot Order:      Floppy, Optical,
                     Hard Disk
Acceleration:    VT-x/AMD-V,
                     Nested Paging,
                     KVM
                     Paravirtualization

**Display**
Video Memory:                    12 MB
Remote Desktop Server:   Disabled
Video Capture:                    Disabled

**Storage**
Controller: IDE
  IDE Secondary Master:   [Optical Drive] Empty
Controller: SATA
  SATA Port 0:                    ubuntu.vdi (Normal, 8.00 GB)

**Audio**
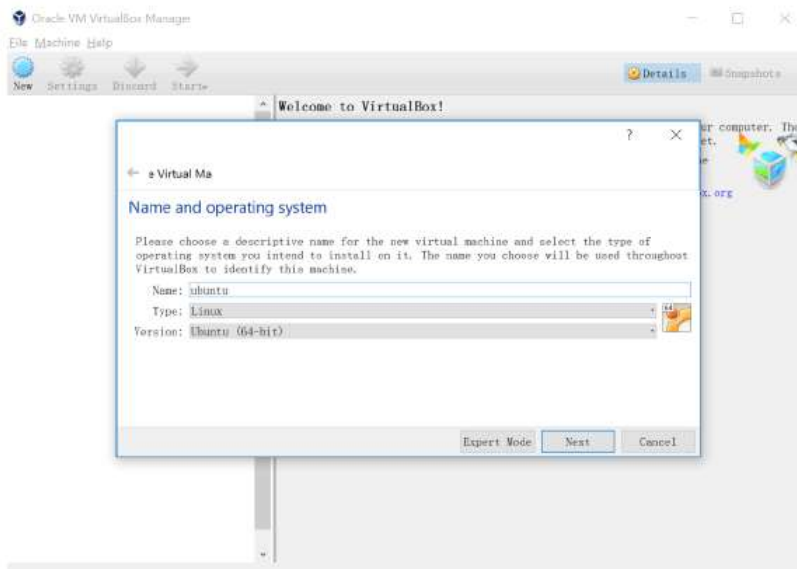Host Driver:   CoreAudio
Controller:     ICH AC97

**Network**

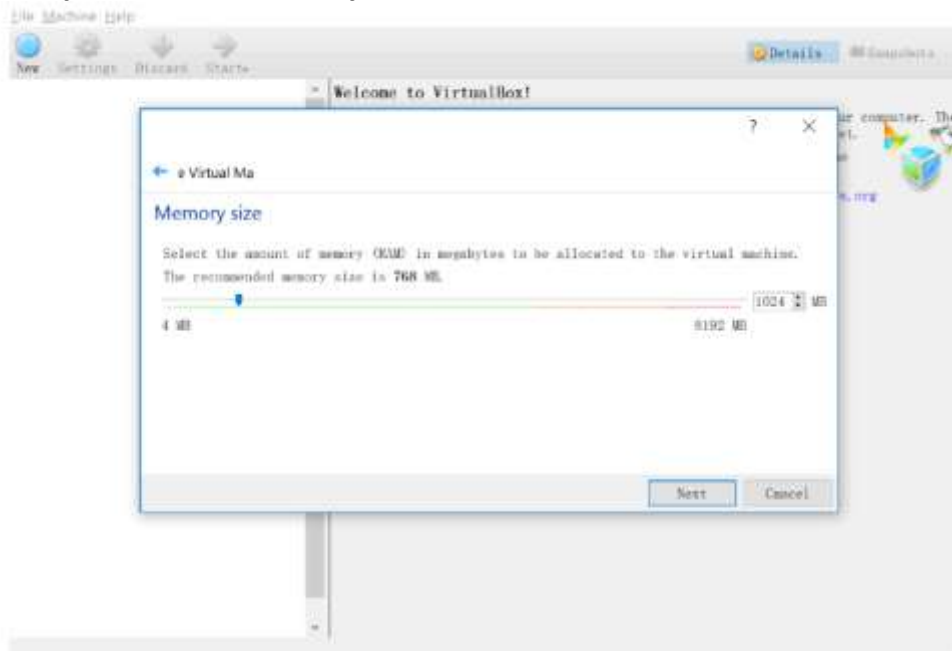(4) Now, just click Start button and you will be in able to work in Ubuntu.

5. Windows User
The instructions are the same as for Mac Users.
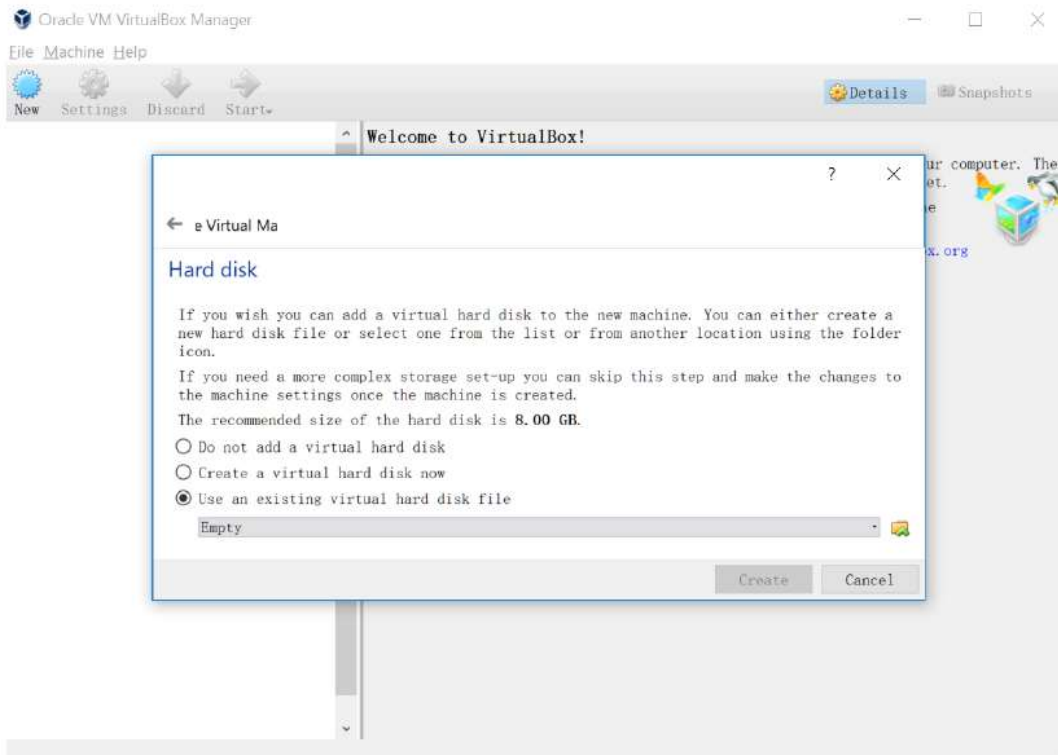   (1) After installing the virtual box, open it. Click the "New" button. In the popup dialog, you just need to name the system like this:
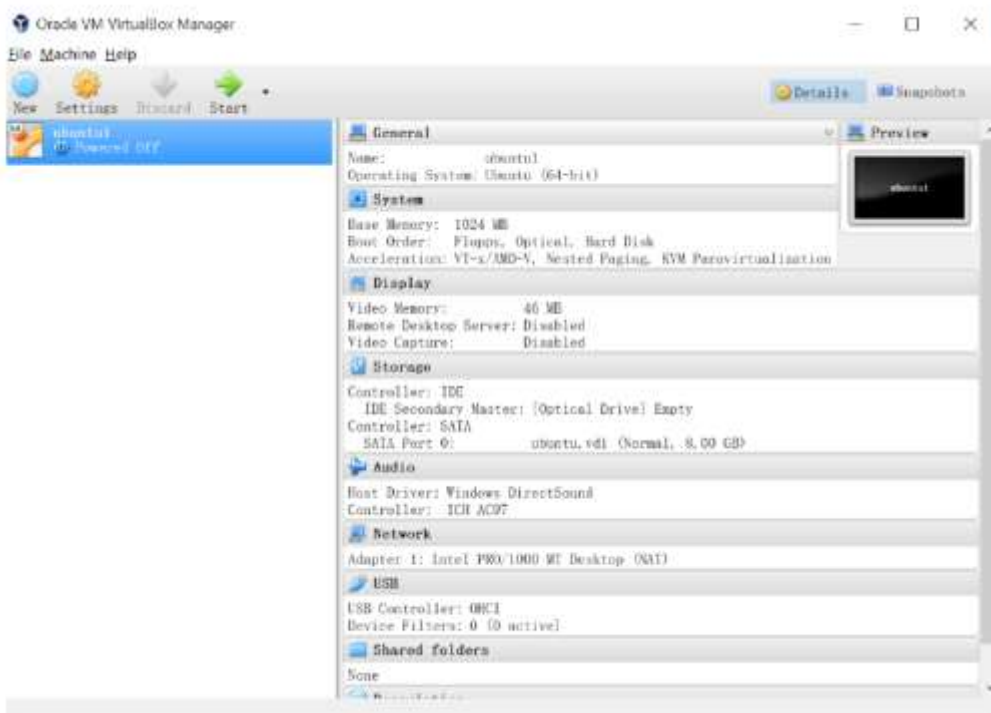


   (2) Click Continue. The second dialog will allow you the set the memory size for this virtual system. I recommend you use at least 1024MB.



   (3) Then click Continue onto the third page. Here, you choose the hard disk. Check the third radio box-"Using an existing virtual hard disk file".

Then click the little  icon. It will pop up a file selection dialog. Find the "Ubuntu.vdi " you just downloaded. Then click "Create". You will back on the home page:



Now, just click the Start button to work in Ubuntu.

The root password for the virtual box is **graphics**.

To work with the course project files, you can download them from canvas in the virtual box environment. If you prefer to download the files first to your local machine and then share the folder with the virtual box environment do the following. Make sure that guest services are installed in virtual box. Follow the instructions posted at the link below:

https://www.howtogeek.com/187703/how-to-access-folders-on-your-host-machine-from-an-ubuntu-virtual-machine-in-virtualbox/