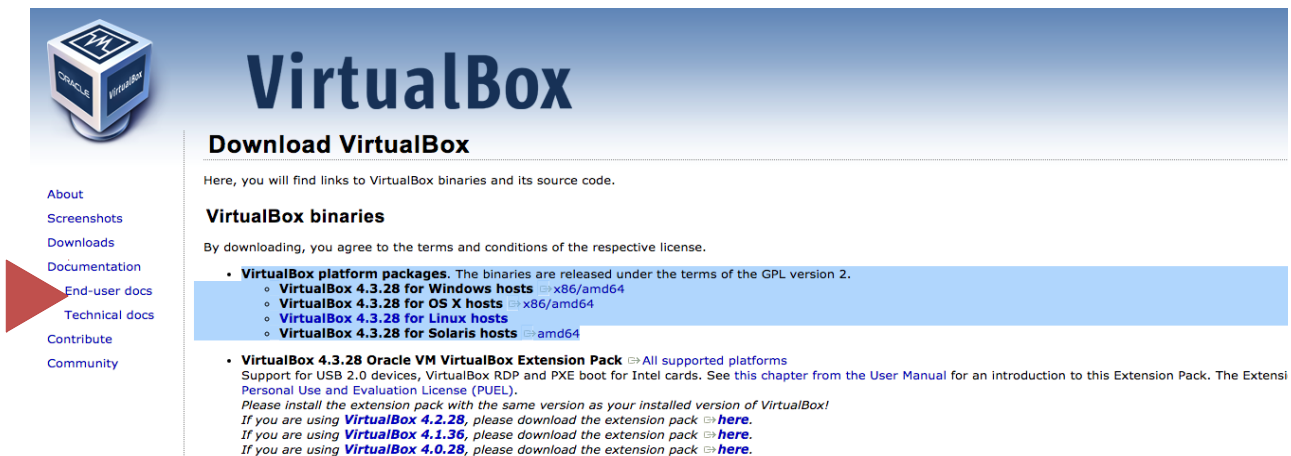


Setting up Virtual Box Virtual Machines

This tutorial will show you how to install and set-up the virtual machine for the metagenomics workshop. The installation in this tutorial was done on OSX, but it shouldn't be difficult to install on any other operating system.

Step 1: Download both the VirtualBox installation file (<https://www.virtualbox.org/wiki/Downloads>) + the virtual image vmdk file (http://edwards.sdsu.edu/classes/SDSU2015/metagenome_workshop.vmdk)

The vmdk file is quite big (~20GB) so make sure you have enough space!



VirtualBox

Download VirtualBox

Here, you will find links to VirtualBox binaries and its source code.

VirtualBox binaries

By downloading, you agree to the terms and conditions of the respective license.

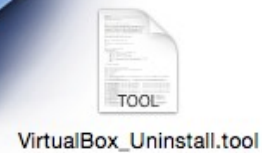
- **VirtualBox platform packages.** The binaries are released under the terms of the GPL version 2.
 - **VirtualBox 4.3.28 for Windows hosts** [⇒ x86/amd64](#)
 - **VirtualBox 4.3.28 for OS X hosts** [⇒ x86/amd64](#)
 - **VirtualBox 4.3.28 for Linux hosts**
 - **VirtualBox 4.3.28 for Solaris hosts** [⇒ amd64](#)
- **VirtualBox 4.3.28 Oracle VM VirtualBox Extension Pack** [⇒ All supported platforms](#)
Support for USB 2.0 devices, VirtualBox RDP and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack. The Extension Pack is released under the [Personal Use and Evaluation License \(PUEL\)](#).
Please install the extension pack with the same version as your installed version of VirtualBox!
If you are using **VirtualBox 4.2.28**, please download the extension pack [⇒ here](#).
If you are using **VirtualBox 4.1.36**, please download the extension pack [⇒ here](#).
If you are using **VirtualBox 4.0.28**, please download the extension pack [⇒ here](#).

Step 2: Install VirtualBox (Process differs from operating system)

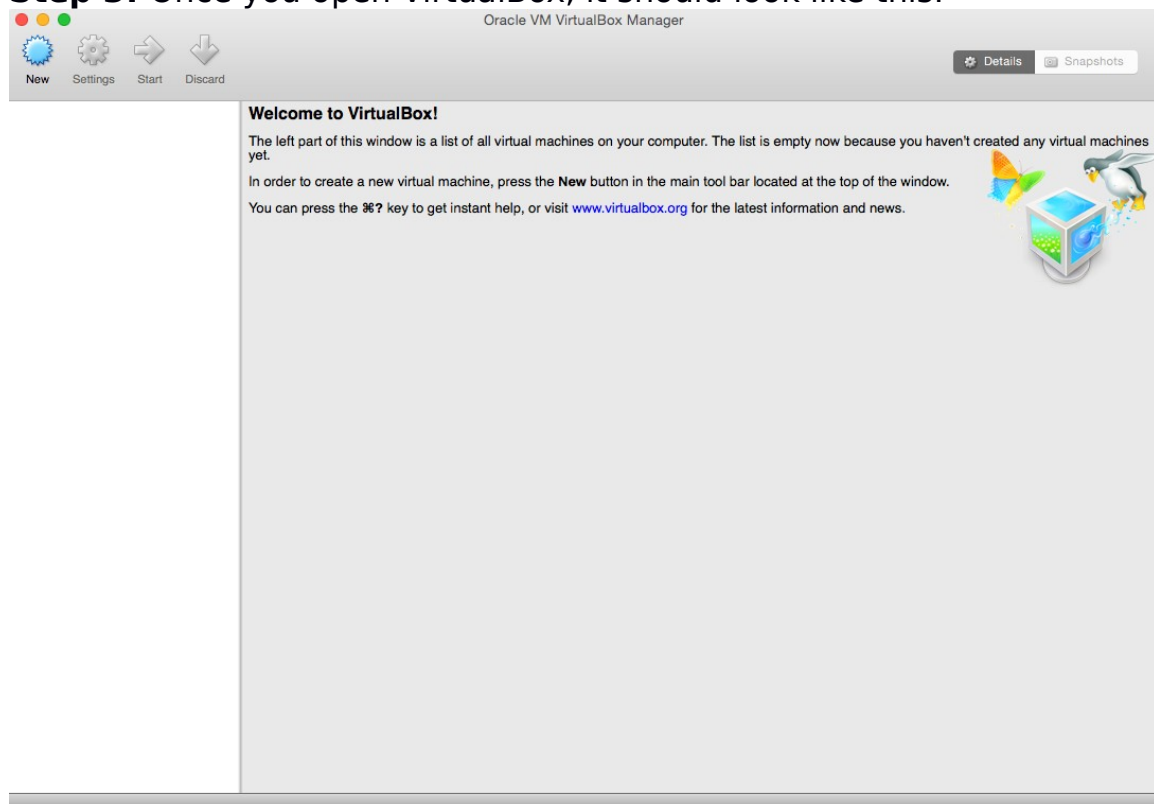
1 Double click on this icon:



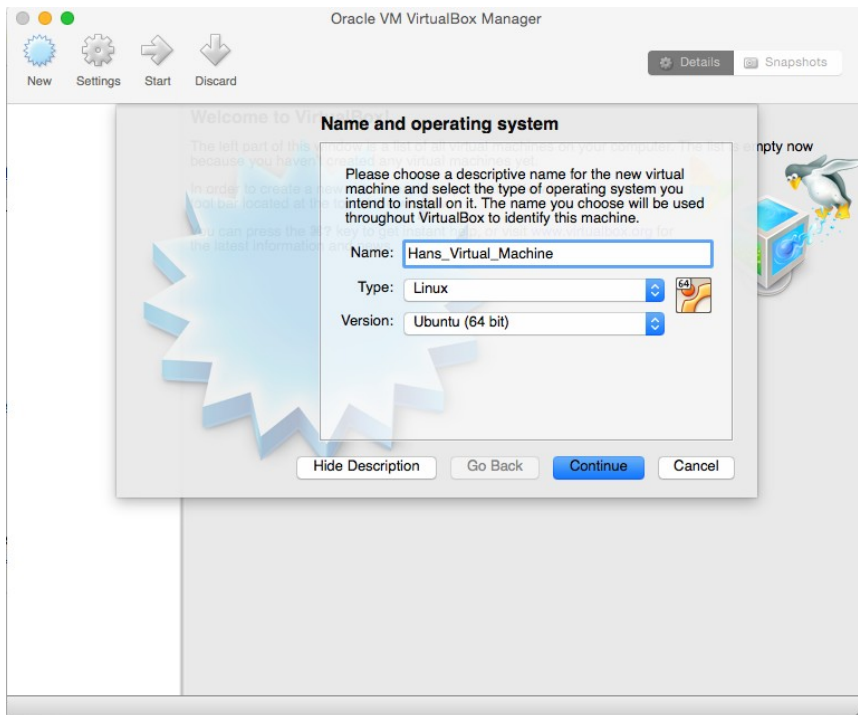
2 Run the VirtualBox application from the Applications Folder:



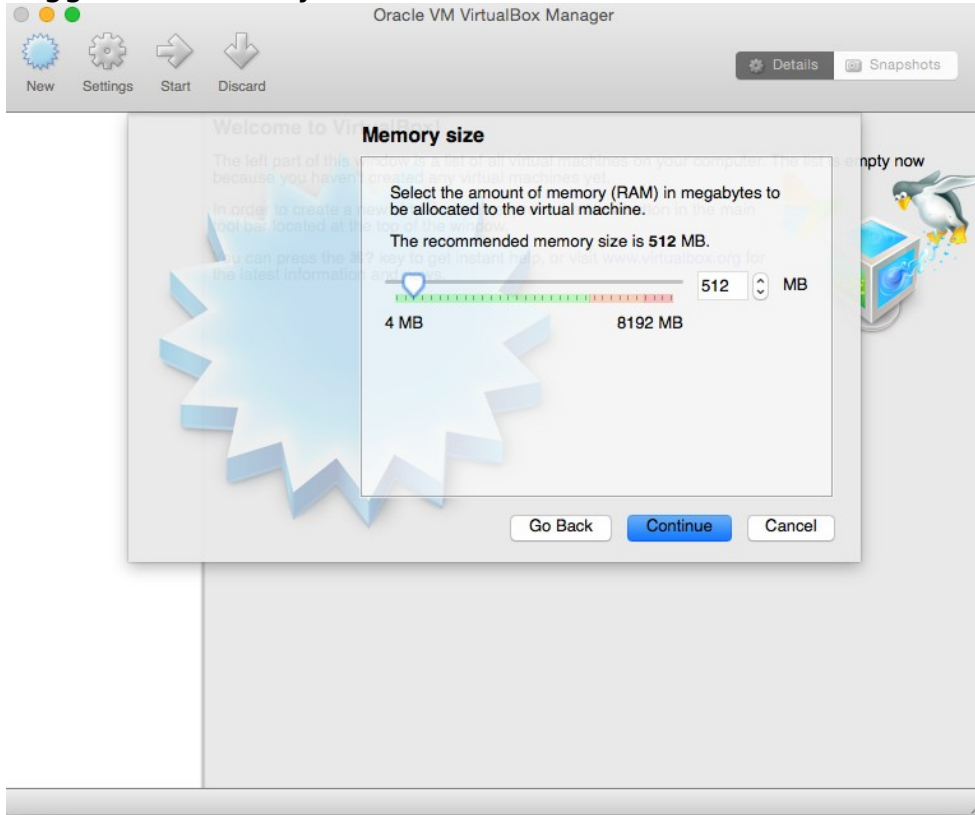
Step 3: Once you open VirtualBox, it should look like this:



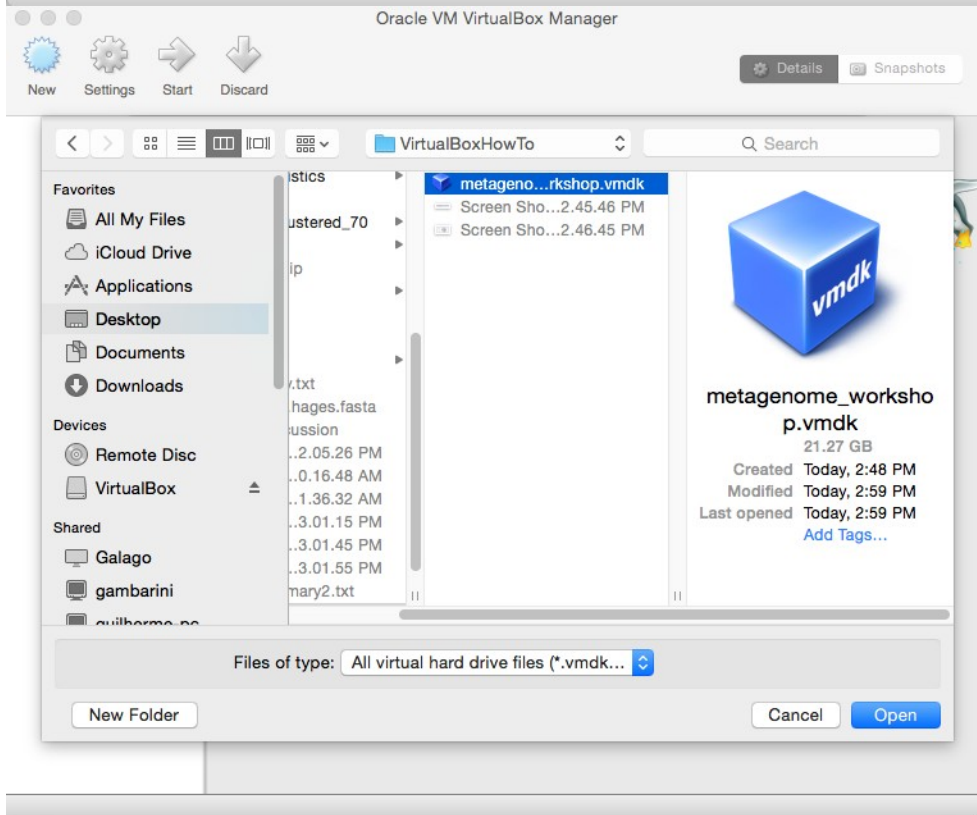
Step 4: Now click 'New' on the top left corner so that we can setup a new virtual machine. Give the machine a name, pick Linux OS and Ubuntu (64-bit). We are using Ubuntu version 14



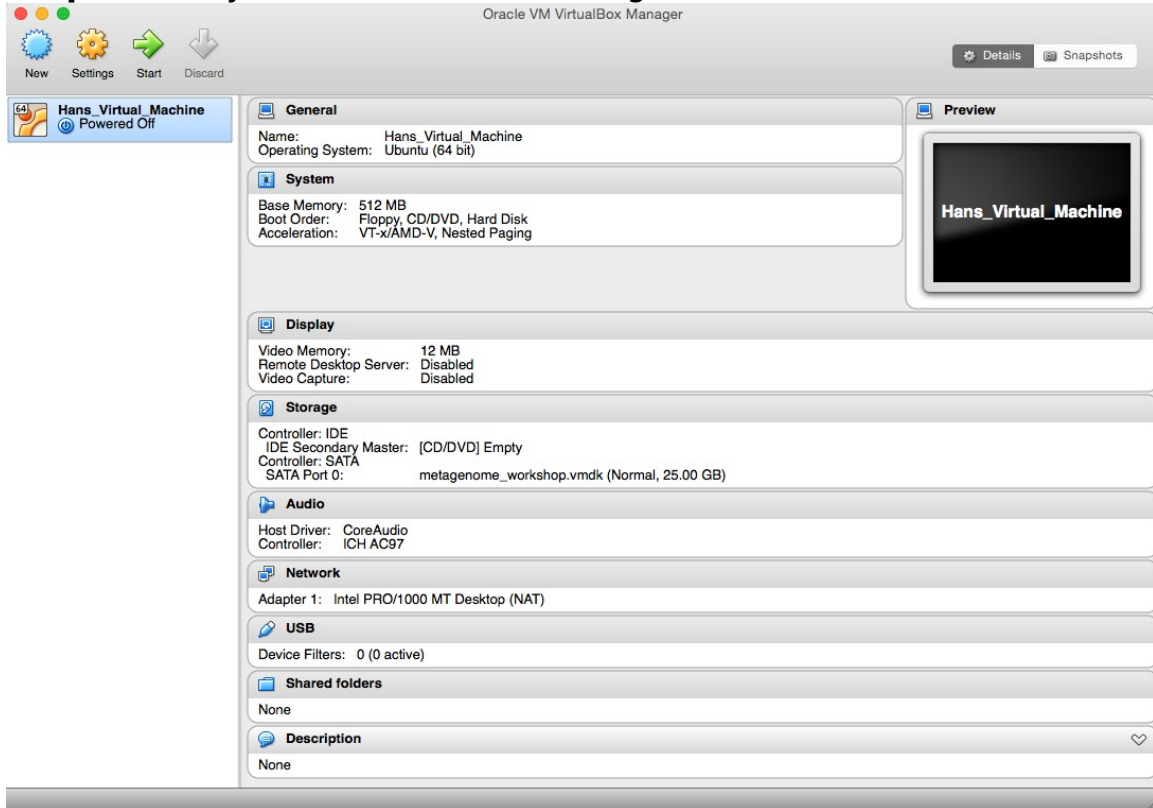
Step 5: Designate memory size in this machine, for now follow the suggested memory size and click continue.



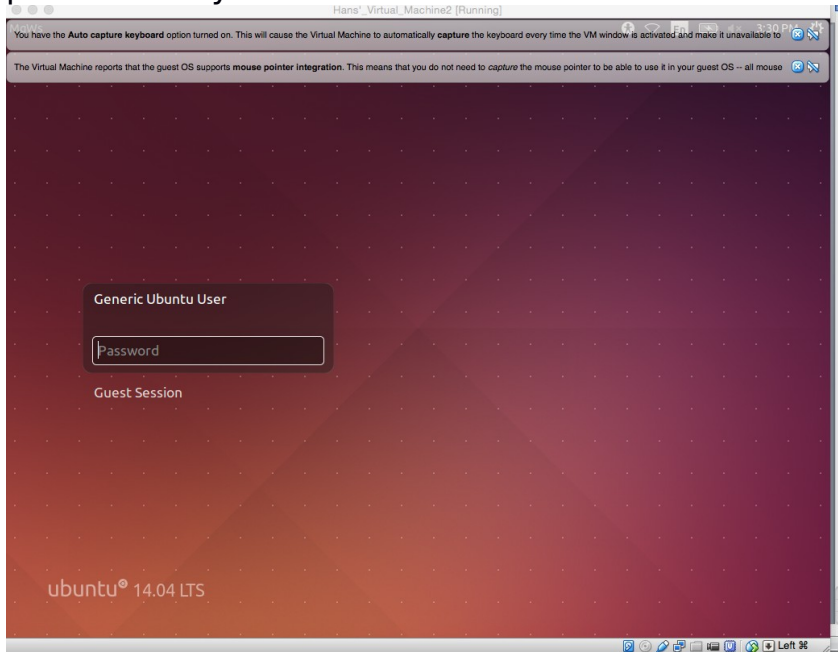
Step 6: Select 'Use an existing virtual hard drive file' and select the downloaded .vmdk file using the button below .



Step 7: Now you should see something like this:



Step 8: You can start up the virtual machine by double-clicking your virtual machine. First booting up the machine takes some time so be patient until you see a screen like this:



Enter the password 'ubuntu' and voila, you should be in!

