

FIT3143 Virtual Machine Setup Guide

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The purpose of this guide is to help you to set up the FIT3143 virtual machine that will be used with all assessments. Note that you may use your macos terminal or wsl under windows for this but assignments will be marked using this machine so it is advisable to test all code as you are going along with this to avoid problems later. If you decide not to use this reference virtual machine and you have problems then it will be more difficult for us to help you.

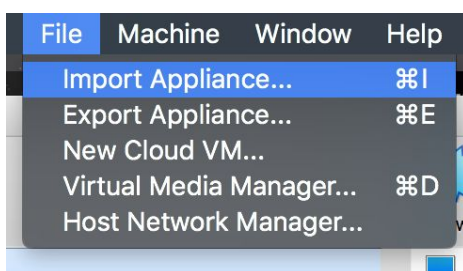
These instructions were done on an Apple Macintosh computer but verified to be the same on a windows machine.

Please note that in the virtual machine I have used my own custom configuration of vim so if you want to use that you can download that separately.

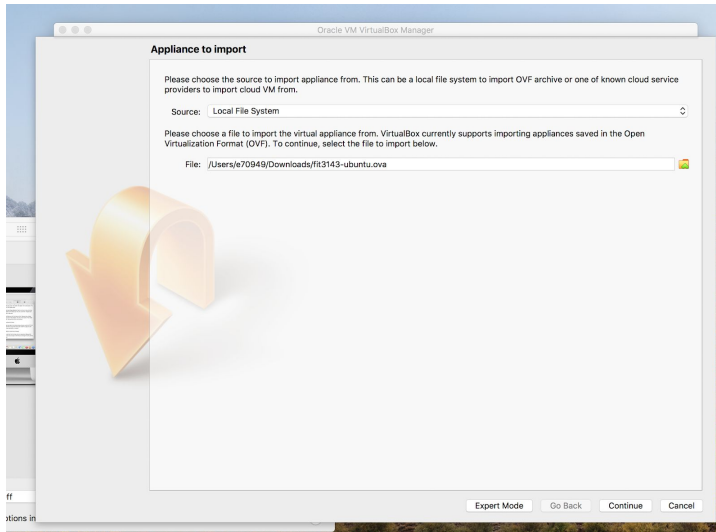
To begin with, download the right version of virtualbox from <https://www.virtualbox.org/wiki/Downloads>

Next, download the virtual machine appliance using the url provided in moodle in week 0 (<https://lms.monash.edu/course/view.php?id=75248§ion=7>).

Once you have installed this, start the virtualbox application. Go to the file menu and select "Import Appliance".

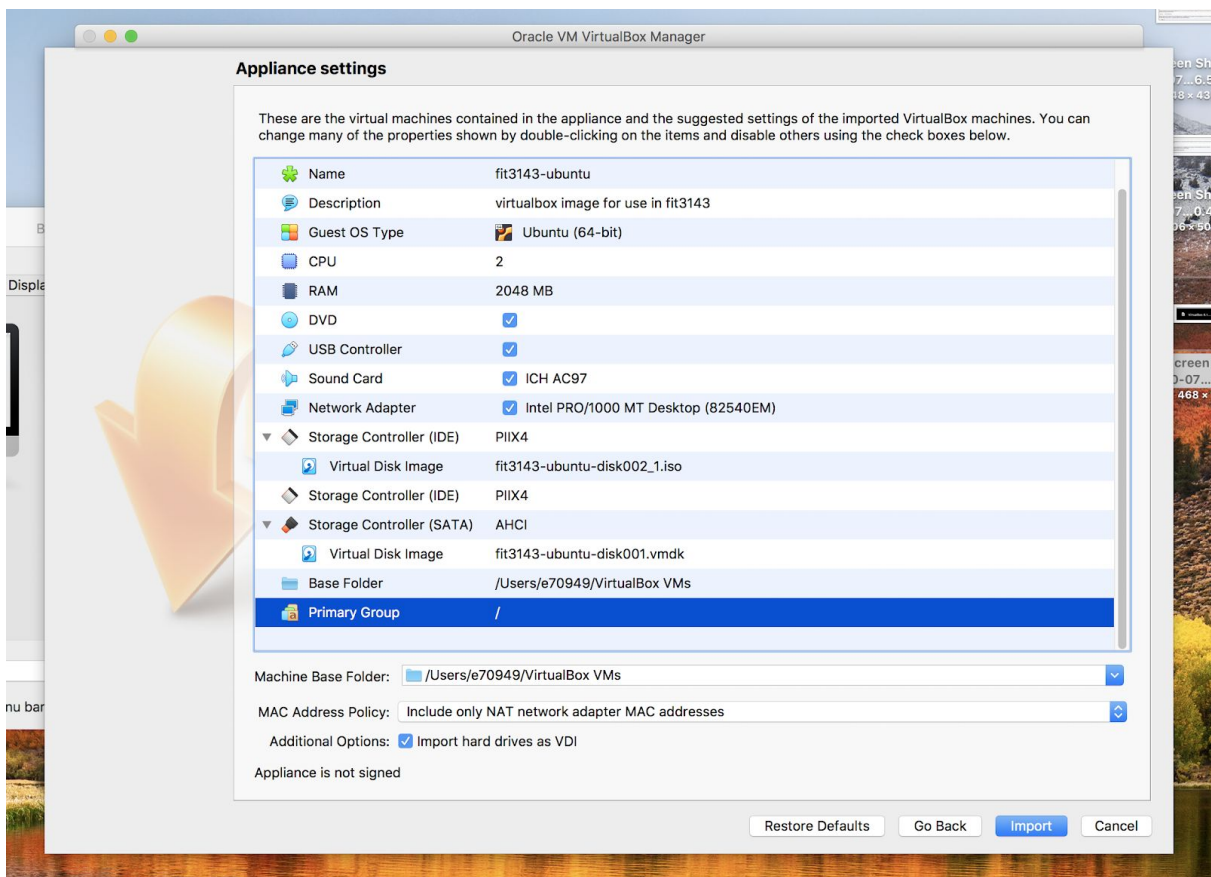


You'll see the following screen:



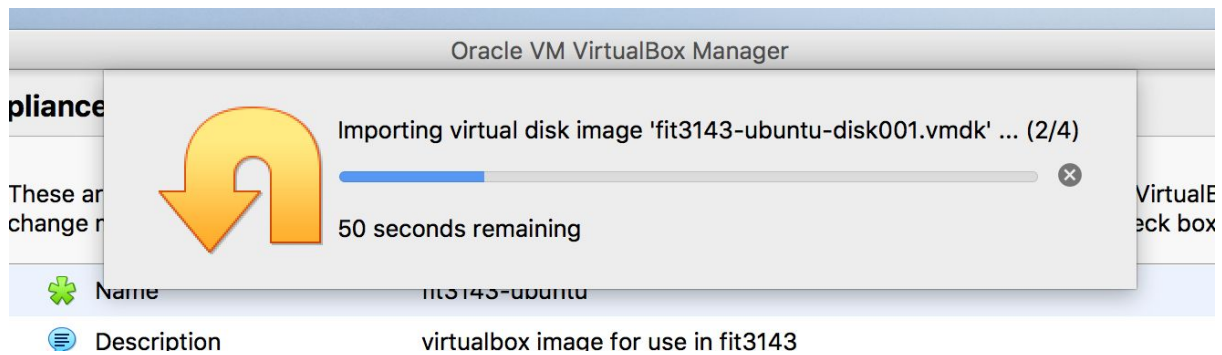
Browse to the virtual machine "ova" file you downloaded then click continue (next on windows and linux).

You will be presented with the settings for the virtual machine. Review these and change any if you wish. You may want to change the destination directory according to where you have disk space.

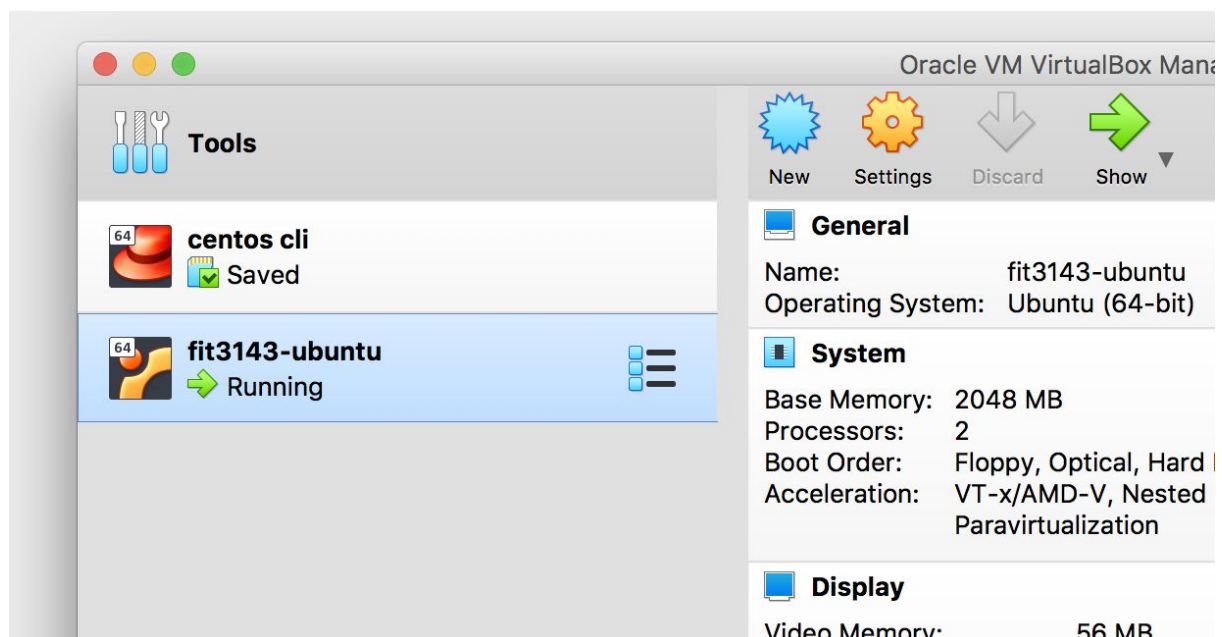


Once you are satisfied, click Import.

You will see a progress indicator showing the process of the import:



Once this is complete, the virtualbox window will show a new virtual machine:



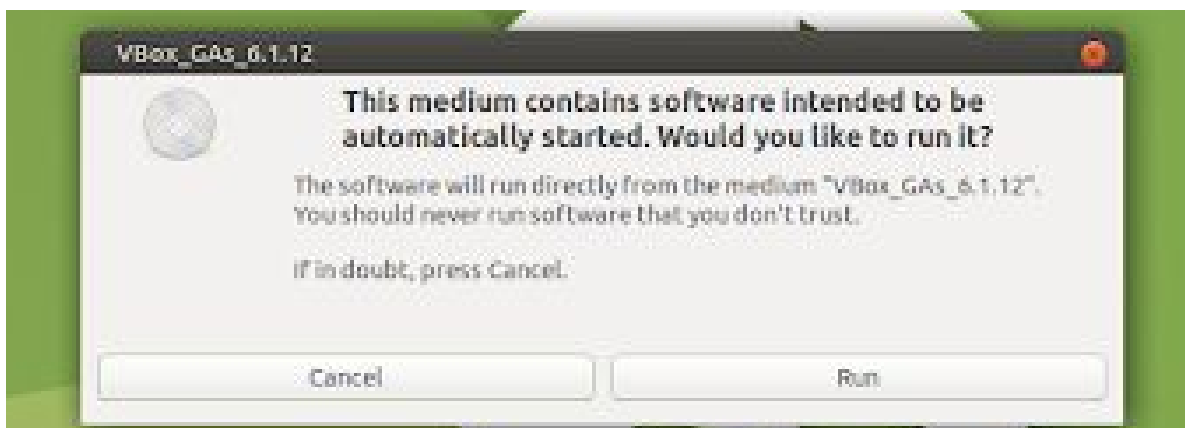
Double click on fit3143-ubuntu to start it.

Once the vm is up and running, we still need to install the "guest additions". This is a set of utilities that make it easier to use your virtual machine.

To install this go to the "Devices" menu and click "Insert the Guest Additions CD Image" (You might need to remove the image currently loaded and if you do go to devices -> optical drives -> remove disk from optical drive) this will download the guest additions cd (if necessary and open up a dialog window that looks like the following:



Accept the default of "Open Autorun Prompt" and click Ok.



You may see a dialog box like the one above, simply click "Run".



You'll be asked for a password. Use the default password for this vm image which is "3143rox". At this point, scripts will start running in a terminal to install software for your virtual machine.

Just wait a few minutes and when the terminal prints "Press Return to close this window...", do so.

Go to the menu and restart your computer and it's now ready to use.

Please note that I found on a Mac that the screen resizing does not quite work correctly and so you should in that case go into the settings for the virtual machine, go to display settings and increase the scaling factor to the level that you want.