Software for the Coursework
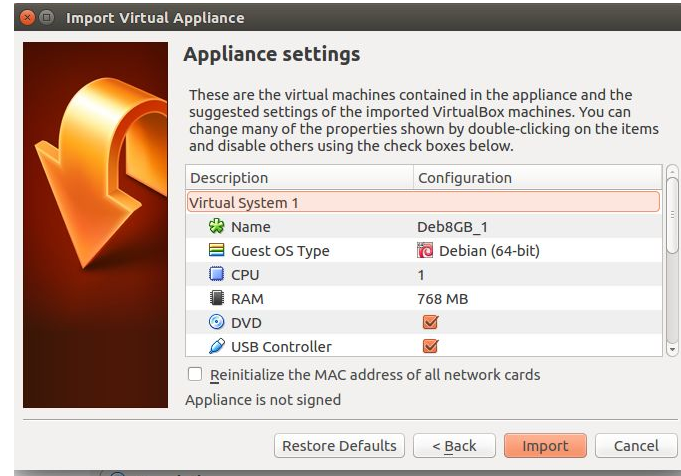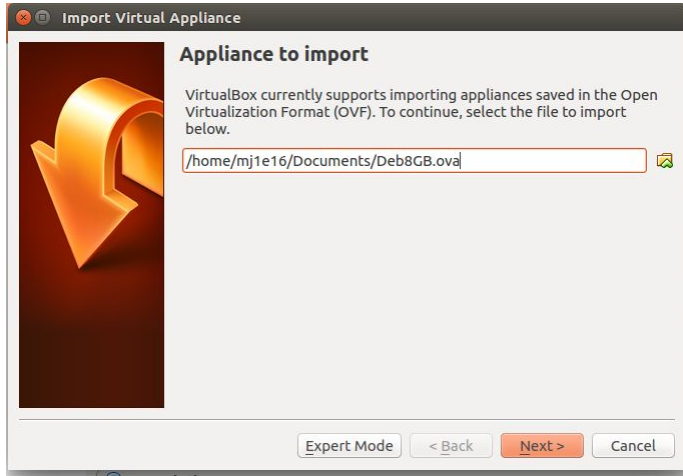
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Installing the Virtual Machine

All the software is installed in the virtual machine contained in the USB sticks

To set up the virtual machine:

- Upload the VM from the USB to your computer
- Open virtual box and click file → Import Appliance and select the VM

Login Details

Username - user6235

Password - comp6235

Root password - COMPUSER6235

Git

Git is installed on the virtual machine

We will expect you to include a public Git repository for your data science application

https://github.com
https://bitbucket.org/
https://git-for-windows.github.io/

Also includes a bash shell, making SSH less painful

Jupyter Notebooks - Intro

Web based IDE designed to accommodate data processing across many different programming languages

Loose acronym for Julia, Python and R

Originally designed to accommodate these languages but now also incorporates many others

Go to Documents/Notebooks and type ***jupyter notebook*** in the command line to open

Select kernel from the toolbar for python or R

Jupyter Notebooks - Some Useful Shortcuts

Shift + Enter →run the current cell, select below

Ctrl + Enter →run current cell

Ctrl + / →comment out highlighted text

Ctrl + click → multi-cursor editing

R on the Command Line

Statistical programing environment

Can be used through Jupyter notebooks

Can also be accessed through the command line by typing **R**

To exit R type **quit()** or **q()**