

Quick Installation Guide of the Mass-Up Virtual Disk

1. Download Oracle VirtualBox

Go to <https://www.virtualbox.org/wiki/Downloads>, download the Oracle VirtualBox software version 4.3.2, and install it (by double clicking the VirtualBox icon). Go again to <https://www.virtualbox.org/wiki/Downloads>, download, and install the VirtualBox 4.3.2 Oracle VM VirtualBox Extension Pack.

2. Download Mass-Up Virtual Machine

Go to <http://sing.ei.uvigo.es/mass-up/download.html> and download the Lubuntu 13.04 (32 bits) Virtual Machine with a copy of Mass-Up already installed and configured to work with R. Extract the file to the folder of your choice. A file called *Massup-Lubuntu-13.04.vdi* will appear.

3. Configure the Virtual Machine in VirtualBox

Open VirtualBox and click on the **New** button and then on the **Next** button. Give a name to your virtual disk and under “Operating system” choose Linux (the Ubuntu version will be automatically selected). Click on the **Next** button.

Choose the amount of RAM memory to be allocated to the virtual disk. Do not be too greedy, otherwise the host system may crash. Do not choose too little RAM memory, otherwise it may take for ever to run Mass-Up. About half of the available RAM memory is more than enough for most cases. Click on the **Next** button.

Choose the **Use existing disk** option and select the location of the file (*Massup-Lubuntu-13.04.vdi*) you extracted (by clicking on the icon that looks like a folder). Click on the **Open**, **Next**, and then **Create buttons**. Click on the **Start** button.

The Lubuntu virtual disk you just installed is fully functional, including the internet Connection. Moreover, it is possible to get access to the files on the host computer from this virtual disk. If you are using an USB pen, insert the device **after** starting the Ubuntu virtual disk only. Then go to devices (look at the top frame) and select USB devices. Click on top of the name of your USB pen. Your USB pen will be accessible (it may take up to 20 seconds to capture the USB port) under **Places**.