

Instructions for using the VM (assuming a Windows x64 environment)

- 1) *Download* and *install* virtualBox
- 2) *Download* the Mint-Qt4.7-opengl-qtspim (CS VM) (zip file) from
- 3) <https://downloads.cs.txstate.edu/>
- 4) *Unzip* using WinZip, 7-zip, or RAR and place in a folder of your choice.
- 5) *Start* the VirtualBox VM player and hit new.
 - a. *Name* your machine
 - b. *Choose* the Linux (*Type*) and Fedora 64 (*Version*) options
 - c. *Set* the memory (to about half of available)
 - d. Next (hit *next*) chose the “use an existing virtual hard disk file” and navigate using the file icon to the location of the CS VM on your hard drive
 - e. Choose this file (icon) and get started
- 6) Shut down the machine and restart
- 7) Use the *Devices* option to set the number of processors (again half of available)
- 8) *Enable* the shared clipboard and the drag and drop options.
- 9) Shut down the VM Player and start again. You are G2G.

To develop your own programs please take a look at the examples I did in class. In specific the following is an example for the Vertical spinner and slider application available on TRACS\Resources\Misc\QT-OGLExamples.

- a) Place the file SlideAndSpin.cpp in a folder named SlideAndSpin in the VM and open a terminal in this folder.
- b) Issue the set of instructions:
 - a. `qmake -project`
 - b. `qmake`
 - c. `make`
- c) Run the program (`./SlideAndSpin`)

Note, the best way to transfer files from Linux to host is via right click on the USB icon in the bottom right part of the virtual machine.