

STEP-BY-STEP GUIDE TO COMPILING RTL-NoC SIMULATOR

Last updated: July 21, 2014 by Andrew B.

Install the following libraries if not already on your machine:

- install libc6-dev-i386
- install g++-multilib

After creating a ModelSim project with the necessary RTL files, type the following commands into ModelSim, in order:

1. `vlog -dpiheader dpi.h rtl_interface.sv <your_rtl_files.sv>`
2. `g++ -c -fPIC -m32 -I<path-to-modelsim-installation-directory>/include booksim_interface.cpp`
3. `g++ -shared -Bsymbolic -fPIC -m32 -o booksim_interface.so booksim_interface.o`
4. `vsim -sv_lib booksim_interface <top>`