**CSE490/590 Spring2011 Instructions to use CSE machines for Projects**

***Access CSE machine indirectly***

1. From your Mac you can graphically connect to our interactive compute timeshares such as metallica or timberlake by entering ssh -X. (X tunneling)

1. From Windows you can use a program called X-win to connect to one of the aforementioned timeshares. (https://wiki.cse.buffalo.edu/services/content/x-win32)

***Access CSE machine directly***

In order to generate .bit or .mcs file, you can use all CSE machines and Dell machines in 216 Bell. To transfer the .bit file into the board, you may use Dell Linux/Windows machines in 216 Bell. However, if you embed .bit or .mcs file into the board, you need to use Dell Windows machines in 216 Bell.

1. All CSE thin clients (found in many labs and research spaces)
2. Log in to a machine
3. Open a terminal
4. Type cd /util/xilinx/ISE\_DS/ISE/bin/lin64
5. Type ./ise (open Xilinx software)
6. In the same directory, type ./impact (open impact tools)
7. Dell Linux in 216 Bell
8. Log in to a machine
9. Open a terminal
10. Type vi .cshrc
11. Add setenv LD\_LIBRARY\_PATH $LD\_LIBRARY\_PATH:/util/libusb/lib in the .cshrc file and save
12. Type cd /util/xilinx/ISE\_DS/ISE/bin/lin64
13. Type ./ise
14. In the same directory, type ./impact
15. Type cd /util/digilent/adept-utilities\_2.1.1 (To run Adept software)
16. Type ./djtgcfg –d Basys2 –i 0 prog –f /path/to/.bit file

Ex) ./djtgcfg -d Basys2 -i 0 prog -f /home/csgrad/jangyoun/Desktop/Project1/project1.bit

1. Dell Windows in 216 Bell
2. Log in to a machine
3. Open the Xilinx software
4. Open the impact tools
5. Open the Adept software

**If you have any questions, please feel free to send an email to jangyoun@buffalo.edu or srwshah@buffalo.edu**