CS 697AM: How to access the CUDA server "cudasrv"

Logging into cudasrv using a Linux computer in the EECS Linux Lab (JB 205/206)

1. Log into a computer in the lab with your myWSU_ID and WSU password (use lowercase characters for your myWSU_ID)
2. Open a terminal window (graphically or with the keybinding CTRL+ALT+T)
3. Use SSH to remote into the cudasrv server, by typing:
   `ssh cudasrv`
4. Enter your myWSU password when prompted to do so.
5. Once logged into cudasrv, to change to your shared group directory, type
   `cd /srv/group#`
   where # is the number of your CS 697AM group.
6. If you wish to list the files located in that directory, type `ls`
7. To submit your program for grading, type
   `~cs697am/bin/handin <assignment #> <filename>`
   i.e. `~cs697am/bin/handin 1 program1.c`

NOTE: If you need to use X-Forwarding for displaying GUI-based applications running on cudasrv, then add the option -X to the above ssh command in step 3.

Logging into cudasrv using Windows, Linux, or Mac outside of the EECS Linux Lab

1. Due to network security, you will need to use one of the EECS Linux servers as an SSH proxy.
2. Follow the "Remote Access EECS Linux Servers.pdf" document first.
3. Once logged into an EECS Linux server, use SSH to access cudasrv server, by typing:
   `ssh cudasrv`
4. Enter your myWSU password when prompted to do so.
5. Once logged into cudasrv, to change to your shared group directory type
   `cd /srv/group#`
   where # is the number of your CS 697AM group.
6. If you wish to list the files located in that directory type `ls`
7. To submit your program for grading, type
   `~cs697am/bin/handin <assignment #> <filename>`
   i.e. `~cs697am/bin/handin 1 program1.c`

NOTE: For Windows users if you need to use X-Forwarding for displaying GUI-based applications, then you will need to install and configure Xming (a how-to can be found here: http://www.geo.mtu.edu/geoschem/docs/putty_install.html) and add the option -X to the above command in step 3.

Configuration to automate SSH Multi-hop via EECS Linux Proxy (optional)

Not for the faint of heart, but for those who wish to automate the hop over the EECS Linux server, an SSH client can be configured to use one of the EECS servers as an SSH proxy. See this tutorial: https://monkeyswithbuttons.wordpress.com/2010/10/01/ssh-proxycommand-and-putty/
For further help see: http://sshmenu.sourceforge.net/articles/transparent-mulithop.html

NOTE: NEVER SHARE YOUR MYWSU ID OR PASSWORD!

You do not need to share login IDs or passwords to share program files with the rest of your CS 697AM group. So long as you save your files to your /srv/group# directory, the rest of your group will be able to access those files.