**Basics:**

Your user is your vandy ID with your vandy password

Mac users are good to go! PC users must have cygwin installed with the right packages!

Open **two** copies of the terminal/cmd

**Logging into the Server:**

ssh user@Creanza-Lab-Server.cas.vanderbilt.edu

If you get a warning about the identity, type "yes"

You will be asked to enter your password

You are now controlling the server in one terminal. The other is controlling your computer. The transferring code below doesn't work on the server side.

**Basic Commands:**

To see where you are: pwd

To see what files are in your folder: ls -l

To navigate to another folder: cd foldername/

To go back: cd ..

If you start something bad by accident, type ctrl+c to stop the code.

**Make sure your terminal is in the right place to find things:**

The first part of every line is your current location.

That location chunk reappears on a new line when the last code you tried to execute is finished.

If confused, type pwd

**Transfer from the server to your computer:**

**Use the terminal controlling your computer. I.E. not logged into the server.**

—one file:

scp user@Creanza-Lab-Server.cas.vanderbilt.edu:/home/user/filename.extention \Users\you\desktop\

—an entire folder and its contents:

scp -r user@Creanza-Lab-Server.cas.vanderbilt.edu:/home/user/foldername \Users\you\desktop\

—only the contents of a folder:

scp user@Creanza-Lab-Server.cas.vanderbilt.edu:/home/user/foldername/\* \Users\you\desktop\

**Transfer from your computer to the server:**

**Use the terminal controlling your computer. I.E. not logged into the server.**

If you are located in the folder containing the file you want to send, you do not need to add a location address. If you are not in that folder, either navigate to it (cd) or include the rest of the path to the file before "filename.extension"

—one file:

scp filename.extention user@Creanza-Lab-Server.cas.vanderbilt.edu:/home/user/

—an entire folder and its contents:

scp -r foldername user@Creanza-Lab-Server.cas.vanderbilt.edu:/home/user/

—only the contents of a folder:

scp foldername/\* user@Creanza-Lab-Server.cas.vanderbilt.edu:/home/user/