

COMMON SSH COMMANDS

`$ pwd` : shows current location in the file system
`$ cd ../` : go one level up
`$ cd ____` : go one level down (subdirectory “____”)
`$ ls` : what's in the current directory?

`Ctrl + C` : stop current process
`$ clear` : clear all the text from the Terminal screen
`$ history 20` : display the last 20 entered commands
`$ exit` : exit remote server, get back to local machine

Manage files on the server

`$ mkdir NewFolder` : create a new directory
`$ touch NewFile.txt` : create a new file
`$ mv <OldName.ext> <NewName.ext>` : change name of a file
`$ mv <OldPath> <myfile.ext> <NewPath> <myfile.ext>` : move file from one folder to another
`$ rm MyFile.ext` : delete file
`$ rm -rf MyFolder` : delete folder
`$ rm examp*` : delete files starting with 'examp'
`$ rm examp*.txt` : delete files starting with 'examp' and ending in '.txt'
`$ rm *` : delete all files/folders in the current directory
`$ cat MyFile.txt` : display contents of file
`$ du -h /filepath` : size of file

Copy file between 2 locations (local & remote systems). *when in local bash terminal:*

- copy file/folder from local to remote dir:
`$ scp <LOCAL_FILE.EXT> username@domain:/home/xxx/xxx`
`$ scp -r <LOCAL_FOLDER.EXT> username@domain:/home/xxx/xxx`
(ex: cp2913@habanero.rcs.columbia.edu:/rigel/cwc/users/cp2913)
- copy file from remote to local dir:
`$ scp username@domain:/home/xxx/xxx/11.jpeg /Users/username/Desktop/`
- copy remote file to remote server:
`$ scp [user@SRC_HOST:]/path/File.ext [user@DEST_HOST:]/path/DestFile.ext`

Manage jobs

`$ mkdir NewFolder` : create a new directory
`$ queue` : see the entire job queue
`$ queue -u username` : see jobs of given user —> check the job status
R =running. PD =pending (waiting to run). CG =completing (finished soon).
`$ scontrol show job <job ID>` : see state of given job
`$ sstat -j <jobID>` : see status of running job
`$ sacct -j <jobID>` : see status of completed job
`$ scancel <job ID>` : cancel a job
`$ scancel -u username` : cancel ALL jobs for a user

Others

`$ module load R $ R` : start R
`$ git clone <MyGitHubLink>` : get code from GitHub to the server
`$ man <Name_Command>` : learn more about a command
`$ nano <MYFILE.ext>` : editing a file via SSH
 > make edits
 > when ready to save the file, click *Ctrl + O*
 > *Enter*
 > click *Ctrl + X* to close 'nano' and return to my shell

Rmks:

— The colon (:) is how scp distinguish between local and remote locations.