Unix Cheatsheet

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# Directories

## Change permissions

* chmod +w <directory> or chmod a+w <directory> - Write permission for user, group and others
* chmod u+w <directory> - Write permission for user
* chmod g+w <directory> - Write permission for group
* chmod o+w <directory> - Write permission for others

## Show Hidden Directories

ls -a

## Search for a Directory

find / -type d -name <directory\_name> 2> /dev/null

(The “2> /dev/null” suppresses permissions error notifications)

# Files

## Show the first few lines of a file

head <filename>

# Internet

## Downloading a file from the internet

wget <url>

# python

## Run a python script

python2.7 get-pip.py

# ssh

## Copy a File to a .ssh directory

scp -r ~/test/test.txt bbeauchamp@10.201.4.62:~/test

test.txt                                      100%   14     0.1KB/s   00:00

Note that:

1. You need to be on the command line for local machine.
2. You need to have permissions set up for the remote server for the tr=arget directory.

## Exit an .ssh session

ctrl-D

## Re-Direct Background process Output to a file

nohup python -u test.py > test.log &

This executes the test.py script, sending output to test.log.

To read test.log, use:

tail test.log

## Run a process in an .ssh shell in the background

nohup python -u test.py &

[3] 4196

Note that 4196 is the PID which can later be used to kill the process.

Kill a background process