

SSH

\$ ssh andrewid@unix.andrew.cmu.edu - Connect to CMU's unix machines

File

\$ Is - List files in current directory
\$ Is -I [subdirectory] - List files in [subdirectory]
\$ Is -a - List all files including hidden files
\$ cd - Change directory to home
\$ rm -r [dir] - Remove directory [dir] & its contents
\$ mv [file1] [file2] - Rename or move [file1] to [file2]. [file1] will be deleted.
\$ cp [file1] [file2] - Copy [file1] to [file2]; creates [file2] if it didn't exist
\$ cp -r [dir1] [dir2] - Copy [dir1] to [dir2]; creates [dir2] if it didn't exist

VIM (Text Editor) **\$ vim file** - Open file in vim **i** - Enter insert mode to edit file **:wq** - Save and quit file **:w** - Save file

:q - Quit file
/[pattern] - Search for [pattern] in file
n - Go to next search instance
? - Go to previous search instance

EMACS (Text Editor) **\$ emacs file** - Open file in emacs ctrl-x ctrl-s - Save file. ctrl-x ctrl-c - Quit file.

ctrl-s [pattern] - Search for [pattern] in file; hit again to repeat search **Enter –** end search

Process Management

\$ jobs - List programs suspended or running in the background and find job numbers
\$ bg %[jobnumber] - Make a suspended program resume execution in the background
\$ fg %[jobnumber] - Bring a program back to the foreground, resuming if suspended
\$ [command] & - Run a command in the background
\$ kill %[jobnumber] - Kill a program
\$ ps x - List all your programs

General

\$ man [command] - Open the manual page for [command]
\$ ctrl-c - Terminates the active program
\$ ctrl-z - Suspends the active program. Resume with fg or bg.

AFS

\$ fs sa [andrewid] [permissions] [dir] - Set permissions on directory [dir] for [andrewid]. [permissions] can be "read," "write," or "none."

\$ fs la [dir] - List permissions on directory [dir]

\$ pts [creategroup] [andrewid.grouptitle] - Create a new pts group with groupname [andrewid.grouptitle]. After running this, group can be used in place of an andrewid in permissions-setting commands.

\$ pts adduser [andrewid] [groupname] - Add a user to group [groupname].

\$ pts removeuser [andrewid] [group name] - Removes a user to group [groupname].

\$ pts membership [group name] - List the members of a group.