

Unix Command Quick Reference

Directory commands:

- ls - List files in the current directory
- ls -l - Long listing of files
- ls -a - List all files, including *hidden files* (files beginning with a dot (.))
- tree - Display files and directories in a directory tree format
- cd **dir** - Change current working directory to **dir**
- cd .. - Change to the parent directory
- cd / - Change to the root directory
- cd /x/y - Change to the y directory inside of the x directory off of the root directory
- mkdir **dir** - Make a new empty directory (or folder) called **dir**
- rmdir **dir** - Remove an empty directory called **dir**

File commands:

- cat **file** - Outputs the contents of **file** to the screen
- more **file** - Like cat, but one page at a time
- less **file** - Like more, but better
- cp **f1 f2** - Makes a copy of f1 named f2. Copies f1 into f2 if f2 is a directory
- cp *.js **dir** - Copies all files ending with .js into dir
- cp ~sbaker/z . - Copies the file z in the user **sbaker's** home directory to the **current working directory (.)**
- mv **f1 f2** - Moves (renames) **f1** as **f2**
- mv * .. - Moves **all files (*)** in the current directory into the **parent directory (..)**
- rm **file** - Removes (deletes) **file**

Changing permissions:

chmod sets file access privileges. Chmod is followed by a person/action/attribute flag, then the file-name(s)

Person	Action	Attribute
a (all)	+ (add)	r (read)
u (user)	- (remove)	w (write)
g (group)	= (set)	x (execute/search directories)
o (others)		

examples:

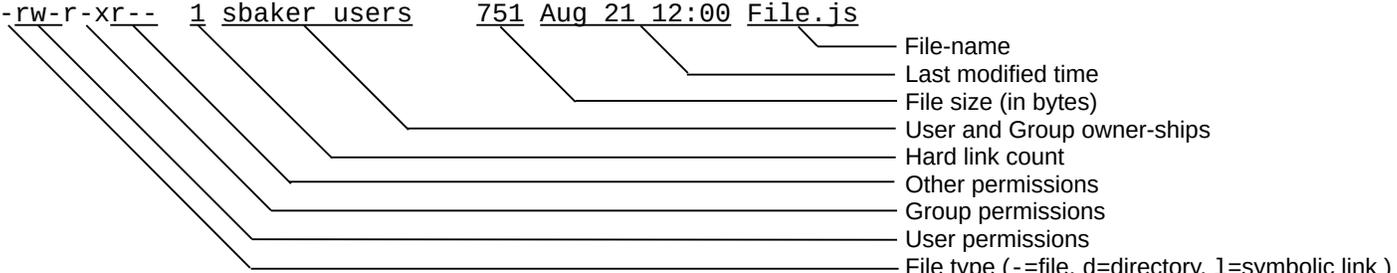
- chmod a+r **fn** - Make **fn** readable by everyone
- chmod a+x *.js - Make every JavaScript file "executable"
- chmod a-w **fn** - Removes write access for **fn**
- chmod ug+r **fn** - Adds read access for user and group
- chmod og-rwx **fn** - Removes all access for group and others
- chmod u=rwx, g=, o=r **fn** - Full access for user, none for group and read only for user

Miscellaneous commands:

- passwd - Change your account password
- chfn - Set your real-name on your account
- man **command** - Read the on-line manual for **command**
- jove, vi, ne, nano, pico - Text-based text editors
- kate, komodo, atom - Graphical GUI based text editors

ls -l output decoded:

-rw-r-xr-- 1 sbaker users 751 Aug 21 12:00 File.js



- File-name
- Last modified time
- File size (in bytes)
- User and Group owner-ships
- Hard link count
- Other permissions
- Group permissions
- User permissions
- File type (-=file, d=directory, l=symbolic link)