

## CHEATSHEET FOR

# Command line stuff



## List (ls)

```
ls [options] [paths]
```

### Format

-l	One entry per line
-l	Long view
-o	Long view (without groups)
-C	Multicolumn (sorted horizontally)
-x	Multicolumn (sorted vertically)
-F	Add / after directories
-G	Color

### Options

-R	Recurse
-a	Include hidden (dotfiles)
-A	Include hidden (but not . and ..)

### Sorting

-r	reverse order
-S	sort by size
-t	sort by time modified
-u	sort by time accessed
-U	sort by time created
-c	sort by time status was changed
-h	Human-readable size (3k)

## Tail

```
tail [-F | -f | -r] [-bN | -cN | -nN] [file ...]
```

### Modes

-f	follow
-F	follow by filename (accounts for log rotation)
-r	Reverse order

### Options

-bN	N*512 bytes
-cN	N bytes
-nN	N lines
+N	Start from line N

## Sudo

```
sudo [options] <command>
```

### Listing

-l	List allowed commands
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### Options

-A	Use \$SUDO_ASKPASS
-b	Run in background
-E	Preserve environment
-H	use target's \$HOME
-n	Don't prompt for password
-P	Preserve group vector
-S	Read password from stdin

### File descriptors

-C fd	Close all open file descriptors
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### Prompt

-p prompt	Custom prompt (-p "%p password:")
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### Interactive

-i [cmd]	Interactive shell without variables
-s [cmd]	Interactive shell
-u user	run as this user
-g group	run as this group

### Timestamp

-v	revalidate timestamp for 5 mins
-k	invalidate timestamp
-K	just like -k

## wc (Word count)

```
... | wc [options]
```

-c	Bytes
-l	Lines
-m	Characters (incl multi-byte)
-w	Words

## Search-and-replace in all files

```
perl -p -i -e 's/hello/HELLO/g' **/*
```

## Grep

```
grep [options] [pattern] [file ...]
```

### Options

-A num	Print num lines of training context
-G	–basic-regexp (default)
-E	–extended-regexp
-P	–perl-regexp
-f file	–file (Get patterns for file)
-F	–fixed-strings
-h	–no-filename
-H	–with-filename
-l	–files-with-matches (just print filenames)
-L	–files-without-match
-r, -R	–recursive
-v	–invert-match
-i	–ignore-case

### Synonyms

```
egrep => grep -E  
fgrep => grep -F
```

