

### find (search for files in directory hierarchy)

#### [TESTS]

*+n* for greater than *n*

*-n* for less than *n*

*n* for exactly *n*

**-mindepth -maxdepth [level]**

**-regex [pattern]**

**-name [pattern]**

**-size [n]**

*k* for kilobytes, *M* for megabytes, *G* for gigabytes

**-type [c]**

*b c d p f l s* (same as in *ls* command)

**-amin -atime -cmin -ctime -mmin -mtime [n]**

*a* - accessed, *m* - modified, *c* - status changed  
*min* - *n* minutes age, *time* - *r*24 hours ago\*

**-newerXY [ref]**

*at mt ct* if *ref* is a date. Or *a m c* if *ref* is a file

**-perm [mode] -perm /[mode]**

mode example: 220, *g+w,u+w*

**operators:** ! for not, -o for or

#### [ACTIONS]

**-delete**

**-exec -execdir [command] ;**

*may need to be escaped with \, or quoted*

*execdir* runs *comnd* from subdirectory

*{}* is replaced with file name. *{}* + append each file to the end

**-print -printf -print0 -fprintf -fprintf [file**

**format]**

*%a %Ak* - access time, *%b* - size in blocks, *%c*

*%Ck* - status change, *%t %Tk* - modification

*time*, *%p* - file name, *%u %U* - uid

(string/number), *%y* - file type, *%f* - file name

w/o directory, *%s* - size in bytes

### find (search for files in directory hierarchy) (cont)

*k* format: *H* - hour (00..23), *l* - hour (01..12), *k* - hour (0..23), *l* - hour (1..12), *M* - min, *p* - AM/PM, *r* - hh:mm:ss, *Z* - timezone, *@* - seconds, *a* - weekday, *b B* - month, *y* - year, *d* - day, *D* - mm/dd/yy

### Disk commands

**du** disk usage

*-h* human readable

*-s* summarize only

*-d* depth

*--exclude=PATTERN --X=FILE*

*-a* all files

*-c* grand total

**df** fs disk space usage

*-a* all fs types

*--total* grand total

*-h* human readable

*-H* human readable but with 1000 power

C

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