

LS(1) User Commands LS(1)

NAME

ls - list directory contents

SYNOPSIS

ls [OPTION]... [FILE]...

DESCRIPTION

List information about the FILES (the current directory by default).
Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.

-a, -all

do not ignore entries starting with .

-A, -almost-all

do not list implied . and ..

- -author

with -l, print the author of each file

-b, -escape

print C-style escapes for nongraphic characters

- -block-size=SIZE

with -l, scale sizes by SIZE when printing them; e.g.,
'- -block-size=M'; see SIZE format below

-B, -ignore-backups

do not list implied entries ending with

-c with -lt : sort by, and show, ctime (time of last modification of
file status information); with -l : show ctime and sort by name;

otherwise : sort by ctime, newest first

-C list entries by columns

- -color[=WHEN]

colorize the output; WHEN can be 'always' (default if omitted),
'auto', or 'never'; more info below

- d, -directory
list directories themselves, not their contents
- D, -dired
generate output designed for Emacs' dired mode
- f do not sort, enable -aU, disable -ls -color
- F, -classify
append indicator (one of */=;@—) to entries
- -file-type
likewise, except do not append '*'
- -format=WORD
across -x, commas -m, horizontal -x, long -l, single-column -l, ver-
bose -l, vertical -C
- -full-time
like -l - -time-style=full-iso
- g like -l, but do not list owner
- group-directories-first
group directories before files;

can be augmented with a -sort option, but any use of
-sort=none (-U) disables grouping
- G, -no-group
in a long listing, don't print group names
- h, -human-readable
with -l and -s, print sizes like 1K 234M 2G etc.
- si likewise, but use powers of 1000 not 1024
- H, -dereference-command-line
follow symbolic links listed on the command line
- dereference-command-line-symlink-to-dir
follow each command line symbolic link

that points to a directory
- hide=PATTERN

do not list implied entries matching shell PATTERN (overridden by -a or -A)

-hyperlink[=WHEN]
 hyperlink file names; WHEN can be 'always' (default if omitted), 'auto', or 'never'

-indicator-style=WORD
 append indicator with style WORD to entry names : none (default), slash (-p), file-type (-file-type), classify (-F)

-i, -inode
 print the index number of each file

-I, -ignore=PATTERN
 do not list implied entries matching shell PATTERN

-k, -kibibytes
 default to 1024-byte blocks for disk usage; used only with -s and per directory totals

-l use a long listing format

-L, -dereference
 when showing file information for a symbolic link, show information for the file the link references rather than for the link itself

-m fill width with a comma separated list of entries

-n, -numeric-uid-gid
 like -l, but list numeric user and group IDs

-N, -literal
 print entry names without quoting

-o like -l, but do not list group information

-p, -indicator-style=slash
 append / indicator to directories

-q, -hide-control-chars
 print ? instead of nongraphic characters

- -show-control-chars
 show nongraphic characters as-is (the default, unless program is

'ls' and output is a terminal)

-Q, - -quote-name
enclose entry names in double quotes

- -quoting-style=WORD
use quoting style WORD for entry names : literal, locale, shell,
shell-always, shell-escape, shell-escape-always, c, escape
(overrides `QUOTING_STYLEEnvironmentvariable`)

- r, - - reverse
reverseorderwhilesorting

- R, - - recursive
listsubdirectoriesrecursively

- s, - - size
printtheallocatedsizeofeachfile,inblocks

- Ssortbyfilesize, largest first

- -sort = WORD
sortbyWORDinsteadofname : none(-U), size(-S), time(-t), version(-v), extension(-X)

- -time = WORD
*changethe default of using modification times; accesstime(-u) : atime, access, use; changetime(-c) :
ctime, status; birthtime : birth, creation;*

with-l, WORD determines which time to show; with--sort = time, sortbyWORD(newest first)

- -time - style = TIME_STYLE
time/date format with - l; see TIME_STYLE below

- tsortbytime, newest first; see - -time

- T, - - tabsize = COLS
assumes tab stops at each COLS instead of 8

- uwith-lt : sortby, and show, accesstime; with-l : show accesstime and sort by name; otherwise :
sortby accesstime, newest first

- Udonotsort; list entries in directory order

- v natural sort of (version) numbers with in text

- w, - - width = COLS

set output width to COLS.0 means no limit

– x list entries by lines instead of by columns

– X sort alphabetically by entry extension

– Z, – – context

print any security context to each file

– l list one file per line. Avoid " with – q or – b

– – help display this help and exit

– – version

output version information and exit

*The SIZE argument is an integer and optional unit (example : 10K is 10*1024). Units are K, M, G, T, P, E, Z, Y, KiB = K, MiB = M, and soon.*

The TIME_STYLE argument can be full-iso, long-iso, iso, locale, or +FORMAT. FORMAT is interpreted as MAT1 < newline > FORMAT2, then FORMAT1 applies to non-recent files and FORMAT2 to recent files. TIME_STYLE prefixed with 'posix-' takes effect only outside the POSIX locale. Also, the 's' option can be used to set the default style to use.

Using color to distinguish file types is disabled both by default and with – –color = never. With – –color = auto, ls emits color codes only when standard output is connected to a terminal. The LS_COLORS environment variable can be used to override the default settings, and you can turn off color, and turn on color only for long listings, by using --color=never, --color=auto, and --color=always, respectively. The LS_COLORS environment variable can be used to override the default settings, and you can turn off color, and turn on color only for long listings, by using --color=never, --color=auto, and --color=always, respectively. The LS_COLORS environment variable can be used to override the default settings, and you can turn off color, and turn on color only for long listings, by using --color=never, --color=auto, and --color=always, respectively.

1 if minor problems (e.g., cannot access subdirectory),

2 if serious trouble (e.g., cannot access command-line argument).

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REPORTING BUGS

GNU coreutils online help : < <https://www.gnu.org/software/coreutils/> >

Report any translation bugs to < <https://translationproject.org/team/> >

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SEE ALSO

*Full documentation < <https://www.gnu.org/software/coreutils/ls> >
or available locally via : info '(coreutils)ls invocation'*

GNU coreutils 8.32 September 2020 LS(1)