



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ls.1' command

\$ man ls.1

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 speci?

fied.

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 -1, verbose -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 informa?
tion 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_STYLE environment variable)

-r, --reverse
reverse order while sorting

-R, --recursive
list subdirectories recursively

-s, --size
print the allocated size of each file, in blocks

-S sort by file size, largest first

--sort=WORD
sort by WORD instead of name: none (-U), size (-S), time (-t),
version (-v), extension (-X)

--time=WORD
change the default of using modification times; access time
(-u): atime, access, use; change time (-c): ctime, status; birth
time: birth, creation;
with -l, WORD determines which time to show; with --sort=time,
sort by WORD (newest first)

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

-t sort by time, newest first; see --time

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

-u with -lt: sort by, and show, access time; with -li: show access

time and sort by name; otherwise: sort by access time, newest

first

-U do not sort; list entries in directory order

-v natural sort of (version) numbers within 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 of each file

-1 list one file per line. Avoid '\n' 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 (powers of 1024) or KB,MB,... (powers of 1000). Binary prefixes can be used, too: KiB=K, MiB=M, and so on.

The TIME_STYLE argument can be full-iso, long-iso, iso, locale, or +FORMAT. FORMAT is interpreted like in date(1). If FORMAT is FOR? MAT1<newline>FORMAT2, then FORMAT1 applies to non-recent files and FOR? MAT2 to recent files. TIME_STYLE prefixed with 'posix-' takes effect only outside the POSIX locale. Also the TIME_STYLE environment variable sets 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 change the settings. Use the dircolors command to set it.

Exit status:

0 if OK,

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

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

Written by Richard M. Stallman and David MacKenzie.

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'

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