

NAME

du – estimate file space usage

SYNOPSIS

du [*OPTION*]... [*FILE*]...

du [*OPTION*]... --files0-from=*F*

DESCRIPTION

Summarize device usage of the set of FILES, recursively for directories.

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

-0, --null

end each output line with NUL, not newline

-a, --all

write counts for all files, not just directories

-A, --apparent-size

print apparent sizes rather than device usage; although the apparent size is usually smaller, it may be larger due to holes in ('sparse') files, internal fragmentation, indirect blocks, etc.

-B, --block-size=SIZE

scale sizes by SIZE before printing them; See SIZE format below; E.g., '-BM' prints sizes in units of 1,048,576 bytes

-b, --bytes

equivalent to '--apparent-size --block-size=1'

-c, --total

produce a grand total

-D, --dereference-args

dereference only symlinks that are listed on the command line

-d, --max-depth=N

print the total for a directory (or file, with --all) only if it is N or fewer levels below the command line argument; --max-depth=0 is the same as --summarize

--files0-from=F

summarize device usage of the NUL-terminated file names specified in file F; if F is -, read names from standard input

-H equivalent to --dereference-args (-D)

-h, --human-readable

print sizes in human readable format (e.g., 1K 234M 2G)

--inodes

list inode usage information instead of block usage

-k like --block-size=1K

-L, --dereference

dereference all symbolic links

-l, --count-links

count sizes many times if hard linked

-m like --block-size=1M

-P, --no-dereference

don't follow any symbolic links (this is the default)

-S, --separate-dirs

for directories do not include size of subdirectories

--si like **-h**, but use powers of 1000 not 1024
-s, --summarize
display only a total for each argument
-t, --threshold=SIZE
exclude entries smaller than SIZE if positive, or entries greater than SIZE if negative
--time show time of the last modification of any file in the directory, or any of its subdirectories
--time=WORD
show time as WORD instead of modification time: atime, access, use, ctime or status
--time-style=STYLE
time/date format with **--time**; see TIME_STYLE below
-X, --exclude-from=FILE
exclude files that match any pattern in FILE
--exclude=PATTERN
exclude files that match PATTERN
-x, --one-file-system
skip directories on different file systems
--help display this help and exit
--version
output version information and exit

Display values are in units of the first available SIZE from **--block-size**, and the DU_BLOCK_SIZE, BLOCK_SIZE and BLOCKSIZE environment variables. Otherwise, units default to 1024 bytes (or 512 if POSIXLY_CORRECT is set).

The SIZE argument is an integer and optional unit (example: 10K is 10*1024). Units are K,M,G,T,P,E,Z,Y,R,Q (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** STYLE argument can be full-iso, long-iso, iso, or +FORMAT. FORMAT is interpreted like in **date(1)**. Also the TIME_STYLE environment variable sets the default style to use.

PATTERNS

PATTERN is a shell pattern (not a regular expression). The pattern? matches any one character, whereas * matches any string (composed of zero, one or multiple characters). For example, *.o will match any files whose names end in .o. Therefore, the command

```
du --exclude='*.o'
```

will skip all files and subdirectories ending in .o (including the file .o itself).

AUTHOR

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REPORTING BUGS

Report bugs to: bug-coreutils@gnu.org

Report Gentoo bugs to: <https://bugs.gentoo.org/>

GNU coreutils home page: <https://www.gnu.org/software/coreutils/>

General help using GNU software: <https://www.gnu.org/gethelp/>

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

SEE ALSO

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

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