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

−−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, and the like

−B, **−−block−size**=*SIZE*
scale sizes by SIZE before printing them; e.g., '−BM' prints sizes in units of 1,048,576 bytes; see SIZE format below

−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 −, then 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*
show times using STYLE, which can be: full−iso, long−iso, iso, or +FORMAT; FORMAT is interpreted like in 'date'

−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.

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

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/du>
or available locally via: info '(coreutils) du invocation'