

NAME

du - estimate file space usage

SYNOPSIS

```
du [OPTION]... [FILE]...
du [OPTION]... --files0-from=F
```

DESCRIPTION

Summarize disk usage of each FILE, 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 disk 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 disk 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 (powers of 1024) or KB,MB,... (powers of 1000).

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

Written by Torbjorn Granlund, David MacKenzie, Paul Eggert, and Jim Meyering.

REPORTING BUGS

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

Report du translation bugs to <<http://translationproject.org/team/>>

COPYRIGHT

Copyright 2014 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later <<http://gnu.org/licenses/gpl.html>>.

This is free software: you are free to change and redistribute it. There is NO WARRANTY, to the extent permitted by law.

SEE ALSO

Full documentation at: <<http://www.gnu.org/software/coreutils/du>>

or available locally via: `info (coreutils) du` invocation