

DU(1)

User Commands

DU(1)

## 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 ap?

# Linux UBUNTU Manual Pages

('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

# Linux UBUNTU Manual Pages

**-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

**-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

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: [<https://www.gnu.org/software/coreutils/>](https://www.gnu.org/software/coreutils/)

Report any translation bugs to [<https://translationproject.org/team/>](https://translationproject.org/team/)

## COPYRIGHT

Copyright ? 2023 Free Software Foundation, Inc. License GPLv3+: GNU GPL version 3 or later [<https://gnu.org/licenses/gpl.html>](https://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 [<https://www.gnu.org/software/coreutils/du>](https://www.gnu.org/software/coreutils/du)  
or available locally via: `info '(coreutils) du invocation'`