du(1) — Linux manual page

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DU(1)   User Commands   *DU*(1)

NAME   top

    du - estimate file space usage

SYNOPSIS   top

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

DESCRIPTION   top

    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   top

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   top

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REPORTING BUGS   top

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   top

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

COLOPHON   top

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