

NAME

df – report file system space usage

SYNOPSIS

df [*OPTION*]... [*FILE*]...

DESCRIPTION

This manual page documents the GNU version of **df**. **df** displays the amount of space available on the file system containing each file name argument. If no file name is given, the space available on all currently mounted file systems is shown. Space is shown in 1K blocks by default, unless the environment variable POSIXLY_CORRECT is set, in which case 512-byte blocks are used.

If an argument is the absolute file name of a device node containing a mounted file system, **df** shows the space available on that file system rather than on the file system containing the device node. This version of **df** cannot show the space available on unmounted file systems, because on most kinds of systems doing so requires non-portable intimate knowledge of file system structures.

OPTIONS

Show information about the file system on which each *FILE* resides, or all file systems by default.

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

-a, --all

include pseudo, duplicate, inaccessible file systems

-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

-h, --human-readable

print sizes in powers of 1024 (e.g., 1023M)

-H, --si

print sizes in powers of 1000 (e.g., 1.1G)

-i, --inodes

list inode information instead of block usage

-k like **--block-size=1K**

-l, --local

limit listing to local file systems

--no-sync

do not invoke sync before getting usage info (default)

--output[=FIELD_LIST]

use the output format defined by *FIELD_LIST*, or print all fields if *FIELD_LIST* is omitted

-P, --portability

use the POSIX output format

--sync invoke sync before getting usage info

--total elide all entries insignificant to available space, and produce a grand total

-t, --type=TYPE

limit listing to file systems of type *TYPE*

-T, --print-type

print file system type

-x, --exclude-type=TYPE

limit listing to file systems not of type *TYPE*

-v (ignored)

--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 DF_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.

FIELD_LIST is a comma-separated list of columns to be included. Valid field names are: 'source', 'fstype', 'itotal', 'iused', 'iavail', 'ipcent', 'size', 'used', 'avail', 'pcent', 'file' and 'target' (see info page).

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

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