

DF(1)

User Commands

DF(1)

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 intimate knowledge of file system structures.

OPTIONS

Linux UBUNTU Manual Pages

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; e.g., '-BM' prints sizes in units of 1,048,576 bytes; see SIZE format below

-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

--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

-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).

Linux UBUNTU Manual Pages

REPORTING BUGS

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

Report any translation bugs to <<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>>.

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

GNU coreutils 9.4

June 2025

DF(1)