

NAME

dd - convert and copy a file

SYNOPSIS

dd [*OPERAND*]...
dd *OPTION*

DESCRIPTION

Copy a file, converting and formatting according to the operands.

bs=BYTES

read and write up to BYTES bytes at a time

cbs=BYTES

convert BYTES bytes at a time

conv=CONVS

convert the file as per the comma separated symbol list

count=N

copy only N input blocks

ibs=BYTES

read up to BYTES bytes at a time (default: 512)

if=FILE

read from FILE instead of stdin

iflag=FLAGS

read as per the comma separated symbol list

obs=BYTES

write BYTES bytes at a time (default: 512)

of=FILE

write to FILE instead of stdout

oflag=FLAGS

write as per the comma separated symbol list

seek=N

skip N obs-sized blocks at start of output

skip=N

skip N ibs-sized blocks at start of input

status=WHICH

WHICH info to suppress outputting to stderr; 'noxf' suppresses transfer stats, 'none' suppresses all

N and BYTES may be followed by the following multiplicative suffixes: c =1, w =2, b =512, kB =1000, K =1024, MB =1000*1000, M =1024*1024, xM =M GB =1000*1000*1000, G =1024*1024*1024, and so on for T, P, E, Z, Y.

Each CONV symbol may be:

ascii from EBCDIC to ASCII

ebcdic from ASCII to EBCDIC

ibm from ASCII to alternate EBCDIC

block pad newline-terminated records with spaces to cbs-size

unblock

replace trailing spaces in cbs-size records with newline

lcase change upper case to lower case
ucase change lower case to upper case
sparse try to seek rather than write the output for NUL input blocks
swab swap every pair of input bytes
sync pad every input block with NULs to ibs-size; when used with block or unblock, pad with spaces rather than NULs
excl fail if the output file already exists
nocreat do not create the output file
notrunc do not truncate the output file
noerror continue after read errors
fdatasync physically write output file data before finishing
fsync likewise, but also write metadata
Each FLAG symbol may be:
append append mode (makes sense only for output; conv=notrunc suggested)
direct use direct I/O for data
directory fail unless a directory
dsync use synchronized I/O for data
sync likewise, but also for metadata
fullblock accumulate full blocks of input (iflag only)
nonblock use non-blocking I/O
noatime do not update access time
nocache discard cached data
noctty do not assign controlling terminal from file
nofollow do not follow symlinks
count_bytes treat 'count=N' as a byte count (iflag only)
skip_bytes treat 'skip=N' as a byte count (iflag only)
seek_bytes treat 'seek=N' as a byte count (oflag only)

Sending a USR1 signal to a running 'dd' process makes it print I/O statistics to standard error and then resume copying.

```
$ dd if=/dev/zero of=/dev/null& pid=$!
```

```
$ kill -USR1 $pid; sleep 1; kill $pid
```

```
18335302+0 records in 18335302+0 records out 9387674624 bytes (9.4 GB) copied,  
34.6279 seconds, 271 MB/s
```

Options are:

--help display this help and exit

--version
output version information and exit

AUTHOR

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REPORTING BUGS

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

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

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SEE ALSO

Full documentation at: <<http://www.gnu.org/software/coreutils/dd>>
or available locally via: info (coreutils) dd invocation