



Linux Ubuntu 26.04 Manual Pages on command 'gnunumfmt.1'

\$ man gnunumfmt.1

NUMFMT(1) User Commands NUMFMT(1)

NAME

numfmt - Convert numbers from/to human-readable strings

SYNOPSIS

numfmt [OPTION]... [NUMBER]...

DESCRIPTION

Reformat NUMBER(s), or the numbers from standard input if none are specified.

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

--debug

print warnings about invalid input

-d, --delimiter=X

use X instead of whitespace for field delimiter

--field=FIELDS

replace the numbers in these input fields (default=1); see FIELDS below

--format=FORMAT

use printf style floating-point FORMAT; see FORMAT below for details

--from=UNIT

auto-scale input numbers to UNITS; default is 'none'; see UNIT below

--from-unit=N

specify the input unit size (instead of the default 1)

--grouping

use locale-defined grouping of digits, e.g. 1,000,000 (which means it has no effect

in the C/POSIX locale)

--header[=N]

print (without converting) the first N header lines; N defaults to 1 if not specified

--invalid=MODE

failure mode for invalid numbers: MODE can be: abort (default), fail, warn, ignore

--padding=N

pad the output to N characters; positive N will right-align; negative N will left-align; padding is ignored if the output is wider than N; the default is to automatically pad if a whitespace is found

--round=METHOD

use METHOD for rounding when scaling; METHOD can be: up, down, from-zero (default), towards-zero, nearest

--suffix=SUFFIX

add SUFFIX to output numbers, and accept optional SUFFIX in input numbers

--to=UNIT

auto-scale output numbers to UNITs; see UNIT below

--to-unit=N

the output unit size (instead of the default 1)

-z, --zero-terminated

line delimiter is NUL, not newline

--help display this help and exit

--version

output version information and exit

UNIT options:

none no auto-scaling is done; suffixes will trigger an error

auto accept optional single/two letter suffix: 1K = 1000, 1k = 1000, 1Ki = 1024, 1M = 1000000, 1Mi = 1048576,

si accept optional single letter suffix: 1k = 1000, 1K = 1000, 1M = 1000000, ...

iec accept optional single letter suffix: 1K = 1024, 1k = 1024, 1M = 1048576, ...

iec-i accept optional two-letter suffix: 1Ki = 1024, 1ki = 1024, 1Mi = 1048576, ...

FIELDS supports cut(1) style field ranges:

N N'th field, counted from 1

N- from N'th field, to end of line

N-M from N'th to M'th field (inclusive)

-M from first to M'th field (inclusive)

- all fields

Multiple fields/ranges can be separated with commas

FORMAT must be suitable for printing one floating-point argument '%f'. Optional quote ('%f')

will enable --grouping (if supported by current locale). Optional width value (%10f) will

pad output. Optional zero (%010f) width will zero pad the number. Optional negative values

(%-10f) will left align. Optional precision (%.1f) will override the input determined pre?

cision.

Exit status is 0 if all input numbers were successfully converted. By default, numfmt will

stop at the first conversion error with exit status 2. With --invalid='fail' a warning is

printed for each conversion error and the exit status is 2. With --invalid='warn' each con?

version error is diagnosed, but the exit status is 0. With --invalid='ignore' conversion

errors are not diagnosed and the exit status is 0.

EXAMPLES

```
$ numfmt --to=si 1000
```

```
-> "1.0k"
```

```
$ numfmt --to=iec 2048
```

```
-> "2.0K"
```

```
$ numfmt --to=iec-i 4096
```

```
-> "4.0Ki"
```

```
$ echo 1K | numfmt --from=si
```

```
-> "1000"
```

```
$ echo 1K | numfmt --from=iec
```

```
-> "1024"
```

```
$ df -B1 | numfmt --header --field 2-4 --to=si
```

```
$ ls -l | numfmt --header --field 5 --to=iec
```

```
$ ls -lh | numfmt --header --field 5 --from=iec --padding=10
```

```
$ ls -lh | numfmt --header --field 5 --from=iec --format %10f
```

AUTHOR

Written by Assaf Gordon.

REPORTING BUGS

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

Report any translation bugs to <<https://translationproject.org/team/>>

SEE ALSO

Full documentation <<https://www.gnu.org/software/coreutils/numfmt>>

or available locally via: info '(coreutils) numfmt invocation'

Packaged by Ubuntu (9.7-3ubuntu2)

Copyright ? 2025 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.

GNU coreutils 9.7

January 2026

NUMFMT(1)