



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

\$ man tqdm.1

TQDM(1) General Commands Manual TQDM(1)

NAME

tqdm - fast, extensible progress bar for Python and CLI

SYNOPSIS

tqdm [options]

DESCRIPTION

See <https://github.com/tqdm/tqdm>. Can be used as a pipe:

```
$ # count lines of code
```

```
$ cat *.py | tqdm | wc -l
```

```
327it [00:00, 981773.38it/s]
```

```
327
```

```
$ # find all files
```

```
$ find . -name "*.py" | tqdm | wc -l
```

```
432it [00:00, 833842.30it/s]
```

```
432
```

```
# ... and more info
```

```
$ find . -name '*.py' -exec wc -l \{} \;
```

```
| tqdm --total 432 --unit files --desc counting \
```

```
| awk '{ sum += $1 }; END { print sum }'
```

```
counting: 100%|????????| 432/432 [00:00<00:00, 794361.83files/s]
```

```
131998
```

OPTIONS

-h, --help

Print this help and exit.

`-v, --version`

Print version and exit.

`--desc=desc`

str, optional. Prefix for the progressbar.

`--total=total`

int or float, optional. The number of expected iterations. If unspecified, `len(iterable)` is used if possible. If `float('inf')` or as a last resort, only basic progress statistics are displayed (no ETA, no progressbar). If `gui` is `True` and this parameter needs subsequent updating, specify an initial arbitrary large positive number, e.g. `9e9`.

`--leave`

bool, optional. If [default: `True`], keeps all traces of the progressbar upon termination of iteration. If `None`, will leave only if position is 0.

`--ncols=ncols`

int, optional. The width of the entire output message. If specified, dynamically resizes the progressbar to stay within this bound. If unspecified, attempts to use environment width. The fallback is a meter width of 10 and no limit for the counter and statistics. If 0, will not print any meter (only stats).

`--mininterval=mininterval`

float, optional. Minimum progress display update interval [default: 0.1] seconds.

`--maxinterval=maxinterval`

float, optional. Maximum progress display update interval [default: 10] seconds. Automatically adjusts miniters to correspond to mininterval after long display update lag. Only works if `dynamic_miniters` or `monitor` thread is enabled.

`--miniters=miniters`

int or float, optional. Minimum progress display update interval, in iterations. If 0 and `dynamic_miniters`, will automatically adjust to equal mininterval (more CPU efficient, good for tight loops). If > 0, will skip display of specified number of iterations. Tweak this and mininterval to get very efficient loops. If your progress is erratic with both fast and slow iterations (network, skipping items, etc) you should set miniters=1.

`--ascii=ascii`

bool or str, optional. If unspecified or False, use unicode (smooth blocks) to fill the meter. The fallback is to use ASCII characters ? 123456789#?.

--disable

bool, optional. Whether to disable the entire progressbar wrapper [default: False].

If set to None, disable on non-TTY.

--unit=unit

str, optional. String that will be used to define the unit of each iteration [default: it].

--unit-scale=unit_scale

bool or int or float, optional. If 1 or True, the number of iterations will be reduced/scaled automatically and a metric prefix following the International System of Units standard will be added (kilo, mega, etc.) [default: False]. If any other non-zero number, will scale total and n.

--dynamic-ncols

bool, optional. If set, constantly alters ncols and nrows to the environment (allowing for window resizes) [default: False].

--smoothing=smoothing

float, optional. Exponential moving average smoothing factor for speed estimates (ignored in GUI mode). Ranges from 0 (average speed) to 1 (current/instantaneous speed) [default: 0.3].

--bar-format=bar_format

str, optional. Specify a custom bar string formatting. May impact performance. [default: `{l\_bar}{bar}{r\_bar}`, where `l_bar={desc}: {percentage:3.0f}%|` and `r_bar=| {n_fmt}/{total_fmt} [{elapsed}<{remaining}, ? ?{rate_fmt}{postfix}]` Possible vars: `l_bar`, `bar`, `r_bar`, `n`, `n_fmt`, `total`, `total_fmt`, `percentage`, `elapsed`, `elapsed_s`, `ncols`, `nrows`, `desc`, `unit`, `rate`, `rate_fmt`, `rate_noinv`, `rate_noinv_fmt`, `rate_inv`, `rate_inv_fmt`, `postfix`, `unit_divisor`, `remaining`, `remaining_s`, etc. Note that a trailing `?:?` is automatically removed after `{desc}` if the latter is empty.

--initial=initial

int or float, optional. The initial counter value. Useful when restarting a progress bar [default: 0]. If using float, consider specifying `{n:.3f}` or similar in `bar_format`, or specifying `unit_scale`.

--position=position

int, optional. Specify the line offset to print this bar (starting from 0) Automatic if unspecified. Useful to manage multiple bars at once (eg, from threads).

--postfix=postfix

dict or *, optional. Specify additional stats to display at the end of the bar.

Calls set_postfix(**postfix) if possible (dict).

--unit-divisor=unit_divisor

float, optional. [default: 1000], ignored unless unit_scale is True.

--write-bytes

bool, optional. Whether to write bytes. If (default: False) will write unicode.

--lock-args=lock_args

tuple, optional. Passed to refresh for intermediate output (initialisation, iterating, and updating).

--nrows=nrows

int, optional. The screen height. If specified, hides nested bars outside this bound. If unspecified, attempts to use environment height. The fallback is 20.

--colour=colour

str, optional. Bar colour (e.g. 'green', '#00ff00').

--delay=delay

float, optional. Don't display until [default: 0] seconds have elapsed.

--delim=delim

chr, optional. Delimiting character [default: '\n']. Use '\0' for null. N.B.: on Windows systems, Python converts '\n' to '\r\n'.

--buf-size=buf_size

int, optional. String buffer size in bytes [default: 256] used when delim is specified.

--bytes

bool, optional. If true, will count bytes, ignore delim, and default unit_scale to True, unit_divisor to 1024, and unit to 'B'.

--tee bool, optional. If true, passes stdin to both stderr and stdout.

--update

bool, optional. If true, will treat input as newly elapsed iterations, i.e. numbers to pass to update(). Note that this is slow (~2e5 it/s) since every input must be decoded as a number.

--update-to

bool, optional. If true, will treat input as total elapsed iterations, i.e. numbers to assign to self.n. Note that this is slow (~2e5 it/s) since every input must be decoded as a number.

--null bool, optional. If true, will discard input (no stdout).

--manpath=manpath

str, optional. Directory in which to install tqdm man pages.

--comppath=comppath

str, optional. Directory in which to place tqdm completion.

--log=log

str, optional. CRITICAL|FATAL|ERROR|WARN(ING)|[default: `INFO`]|DEBUG|NOTSET.

AUTHORS

tqdm developers <https://github.com/tqdm>

tqdm User Manuals

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