



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

\$ man cfsiostat.1

CIFSIOSTAT(1) Linux User's Manual CIFSIOSTAT(1)

NAME

cfsiostat - Report CIFS statistics.

SYNOPSIS

```
cfsiostat [ -h ] [ -k | -m ] [ -t ] [ -V ] [ -y ] [ --dec={ 0 | 1 | 2 } ] [ --human ] [ -o
JSON ] [ --pretty ] [ interval [ count ] ]
```

DESCRIPTION

The cfsiostat command displays statistics about read and write operations on CIFS filesystems.

The interval parameter specifies the amount of time in seconds between each report. The first report contains statistics for the time since system startup (boot), unless the -y option is used (in this case, the first report is omitted). Each subsequent report contains statistics collected during the interval since the previous report. A report consists of a CIFS header row followed by a line of statistics for each CIFS filesystem that is mounted. The count parameter can be specified in conjunction with the interval parameter. If the count parameter is specified, the value of count determines the number of reports generated at interval seconds apart. If the interval parameter is specified without the count parameter, the cfsiostat command generates reports continuously.

REPORT

The CIFS report provides statistics for each mounted CIFS filesystem. The report shows the following fields:

Filesystem:

This column shows the mount point of the CIFS filesystem.

rB/s (rkB/s, rMB/s)

Indicate the average number of bytes (kibibytes, mebibytes) read per second.

wB/s (wkB/s, wMB/s)

Indicate the average number of bytes (kibibytes, mebibytes) written per second.

rop/s Indicate the number of 'read' operations that were issued to the filesystem per sec?

ond.

wop/s Indicate the number of 'write' operations that were issued to the filesystem per sec?

ond.

fo/s Indicate the number of open files per second.

fc/s Indicate the number of closed files per second.

fd/s Indicate the number of deleted files per second.

OPTIONS

--dec={ 0 | 1 | 2 }

Specify the number of decimal places to use (0 to 2, default value is 2).

-h This option is equivalent to specifying --human --pretty.

--human

Print sizes in human readable format (e.g. 1.0k, 1.2M, etc.) The units displayed with this option supersede any other default units (e.g. kibibytes, sectors...) as associated with the metrics.

-k Display statistics in kibibytes per second.

-m Display statistics in mebibytes per second.

-o JSON

Display the statistics in JSON (JavaScript Object Notation) format. JSON output field order is undefined, and new fields may be added in the future.

--pretty

Make the CIFS report easier to read by a human.

-t Print the time for each report displayed. The timestamp format may depend on the value of the S_TIME_FORMAT environment variable (see below).

-V Print version number then exit.

-y Omit first report with statistics since system boot, if displaying multiple records at given interval.

ENVIRONMENT

The cifsiostat command takes into account the following environment variables:

S_COLORS

By default statistics are displayed in color when the output is connected to a terminal. Use this variable to change the settings. Possible values for this variable are never, always or auto (the latter is equivalent to the default settings).

Please note that the color (being red, yellow, or some other color) used to display a value is not indicative of any kind of issue simply because of the color. It only indicates different ranges of values.

S_COLORS_SGR

Specify the colors and other attributes used to display statistics on the terminal.

Its value is a colon-separated list of capabilities that defaults to

`I=32;22:N=34;1:Z=34;22`. Supported capabilities are:

`I=` SGR substring for filesystem names.

`N=` SGR substring for non-zero statistics values.

`Z=` SGR substring for zero values.

S_TIME_FORMAT

If this variable exists and its value is ISO then the current locale will be ignored when printing the date in the report header. The `cifsio` command will use the ISO 8601 format (YYYY-MM-DD) instead. The timestamp displayed with option `-t` will also be compliant with ISO 8601 format.

BUG

`/proc` filesystem must be mounted for `cifsio` to work.

Although `cifsio` displays units corresponding to kilobytes (kB), megabytes (MB)..., it actually uses kibibytes (kiB), mebibytes (MiB)... A kibibyte is equal to 1024 bytes, and a mebibyte is equal to 1024 kibibytes.

FILE

`/proc/fs/cifs/Stats` contains CIFS statistics.

AUTHORS

Written by Ivana Varekova (varekova <at> redhat.com)

Maintained by Sebastien Godard (sysstat <at> orange.fr)

SEE ALSO

`sar(1)`, `pidstat(1)`, `mpstat(1)`, `vmstat(8)`, `iostat(1)`, `tapestat(1)`, `nfsio`

<https://github.com/sysstat/sysstat>

<https://sysstat.github.io/>

