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nfsiostat manual page

NAME

nfsiostat - Report input/output statistics for network filesystems (NFS).

SYNOPSIS

```
nfsiostat [-h] [-k | -m] [-t] [-V] [--debuginfo] [interval [count]]
```

DESCRIPTION

The `nfsiostat` command displays statistics about read and write operations on NFS 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). Each subsequent report contains statistics collected during the interval since the previous report. A report consists of an NFS header row followed by a line of statistics for each network 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 `nfsiostat` command generates reports continuously.

REPORT

The Network Filesystem (NFS) report provides statistics for each mounted network filesystem. Transfer rates are shown in 1K blocks by default, unless the environment variable `POSIXLY_CORRECT` is set, in which case 512-byte blocks are used. The report shows the following fields:

Filesystem:

This column shows the hostname of the NFS server followed by a colon and by the directory name where the network filesystem is mounted.

rBlk_nor/s (rkB_nor/s, rMB_nor)

Indicate the number of blocks (kilobytes, megabytes) read by applications via the `read(2)` system call interface. A block has a size of 512 bytes.

wBlk_nor/s (wkB_nor/s, wMB_nor/s)

Indicate the number of blocks (kilobytes, megabytes) written by applications via the `write(2)` system call interface.

rBlk_dir/s (rkB_dir/s, rMB_dir/s)

Indicate the number of blocks (kilobytes, megabytes) read from files opened with the `O_DIRECT` flag.

wBlk_dir/s (wkB_dir/s, wMB_dir/s)

Indicate the number of blocks (kilobytes, megabytes) written to files opened with the `O_DIRECT` flag.

rBlk_svr/s (rkB_svr/s, rMB_svr/s)

Indicate the number of blocks (kilobytes, megabytes) read from the server by the NFS client via an NFS READ request.

wBlk_svr/s (wkB_svr/s, wMB_svr/s)

Indicate the number of blocks (kilobytes, megabytes) written to the server by the NFS client via an NFS WRITE request.

ops/s

Indicate the number of operations that were issued to the

filesystem per second.

rops/s

Indicate the number of "read" operations that were issued to the filesystem per second.

wops/s

Indicate the number of "write" operations that were issued to the filesystem per second.

OPTIONS

--debuginfo

Print debug output to stderr.

-h

Make the NFS report easier to read by a human.

-k

Display statistics in kilobytes per second.

-m

Display statistics in megabytes per second.

-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.

ENVIRONMENT

The `iostat` command takes into account the following environment variables:

`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 `nfsiostat` 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.

POSIXLY_CORRECT

When this variable is set, transfer rates are shown in 512-byte blocks instead of the default 1K blocks.

BUG

/proc filesystem must be mounted for nfsiostat to work.

FILE

/proc/self/mountstats contains statistics for network filesystems.

AUTHORS

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SEE ALSO

[sar\(1\)](#), [mpstat\(1\)](#), [pidstat\(1\)](#), [vmstat\(8\)](#), [iostat\(1\)](#), [cifs_iostat\(1\)](#)

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