



# **statistics-v1 protocol-request-size commands**

ONTAP 9.8 commands

NetApp  
September 27, 2022

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# statistics-v1 protocol-request-size commands

## statistics-v1 protocol-request-size show

Display size statistics for CIFS and NFS protocol read and write requests

**Availability:** This command is available to *cluster* administrators at the *admin* privilege level.

### Description

This command displays size statistics for CIFS and NFS protocol read and write requests. The output of the command includes the following information:

- Node name
- Statistic type
- Average size of request
- Total request count
- Current number of requests in each category of request size
- Number of requests after the command was last executed

### Parameters

**{ [-fields <fieldname>,...]**

If you specify the `-fields <fieldname>`, ... parameter, the command output also includes the specified field or fields. You can use `'-fields ?'` to display the fields to specify.

**| [-instance ] }**

If you specify the `-instance` parameter, the command displays detailed information about all fields.

**[-node {<nodename>|local}] - Node**

If this parameter is specified, the command displays statistics only for the specified node.

**[-stat-type <Protocol Type>] - RW Request Stat Type**

If this parameter is specified, the command displays only the statistics of the specified protocol type. Protocol types include the following: `cifs_read`, `cifs_write`, `nfs2_read`, `nfs2_write`, `nfs3_read`, and `nfs3_write`.

**[-total-req-count <Counter64 with Delta>] - Total Request Count**

If this parameter is specified, the command displays only statistics with the specified total number of requests.

**[-average-size <Counter64 with Delta>] - Average Request Size**

If this parameter is specified, the command displays only statistics with the specified average request size.

**[-histo08 <Counter64 with Delta>] - 0 - 511**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo09 <Counter64 with Delta>] - 512 - 1023**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo10 <Counter64 with Delta>] - 1024 - 2047**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo11 <Counter64 with Delta>] - 2048 - 4096**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo12 <Counter64 with Delta>] - 4096 - 8191**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo13 <Counter64 with Delta>] - 8192 - 16K**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo14 <Counter64 with Delta>] - 16K - 32K**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo15 <Counter64 with Delta>] - 32K - 64K**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo16 <Counter64 with Delta>] - 64K - 128K**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

**[-histo17 <Counter64 with Delta>] - Greater than 128K**

If this parameter is specified, the command displays only statistics with the specified number of requests in this size range.

## Examples

The following example displays the number of NFS v3 requests in each size range for only one node in the cluster.

```
cluster1::> statistics protocol-request-size show -stat-type nfs3_* -node
node0
```

```
Node:                node0
Stat Type:           nfs3_read
Value                Delta
-----
Average Size:                6          -
Total Request Count:
465947409                  -
0-511:                      567023    -
512-1023:                   4306     -
1K-2047:                    175      -
2K-4095:                   160404   -
4K-8191:                   537576   -
8K-16383:                  1742701  -
16K-32767:                 1418620  -
32K-65535:
461516604                  -
64K-131071:                 0         -
128K - :                   0         -
```

```
Node:                node0
Stat Type:           nfs3_write
Value                Delta
-----
Average Size:                0          -
Total Request Count:
199294247                  -
0-511:                      36556    -
512-1023:                   3683     -
1K-2047:                    745      -
2K-4095:                   1413     -
4K-8191:                   28643    -
8K-16383:
199223207                  -
16K-32767:                 0         -
32K-65535:                 0         -
64K-131071:                0         -
128K - :                   0         -
```

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