



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

## **Command reference**

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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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