



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'rdma-statistic.8'***

**C:\>man rdma-statistic.8**

RDMA-STATISTIC(8)                      Linux                      RDMA-STATISTIC(8)

### NAME

rdma-statistic - RDMA statistic counter configuration

### SYNOPSIS

rdma [ OPTIONS ] statistic { COMMAND | help }

rdma statistic { OBJECT } show

rdma statistic [ OBJECT ] show link [ DEV/PORT\_INDEX ]

rdma statistic OBJECT mode

rdma statistic OBJECT set COUNTER\_SCOPE [ DEV/PORT\_INDEX] auto { CRITERIA | off }

rdma statistic OBJECT bind COUNTER\_SCOPE [ DEV/PORT\_INDEX] [ OBJECT-ID ] [ COUNTER-ID ]

rdma statistic OBJECT unbind COUNTER\_SCOPE [ DEV/PORT\_INDEX] [ COUNTER-ID ] [ OBJECT-ID ]

COUNTER\_SCOPE := { link | dev }

OBJECT := { qp | mr }

CRITERIA := { type }

### DESCRIPTION

rdma statistic [object] show - Queries the specified RDMA device for RDMA and driver-specific statistics. Show the default hw counters if object is not specified

DEV - specifies counters on this RDMA device to show.

PORT\_INDEX - specifies counters on this RDMA port to show.

rdma statistic <object> set - configure counter statistic auto-mode for a specific de?

vice/port

In auto mode all objects belong to one category are bind automatically to a single counter set. Not applicable for MR's.

`rdma statistic <object> bind` - manually bind an object (e.g., a qp) with a counter

When bound the statistics of this object are available in this counter. Not applicable for MR's.

`rdma statistic <object> unbind` - manually unbind an object (e.g., a qp) from the counter previously bound

When unbound the statistics of this object are no longer available in this counter;

And if object id is not specified then all objects on this counter will be unbound.

Not applicable for MR's.

COUNTER-ID - specifies the id of the counter to be bound. If this argument is omitted then a new counter will be allocated.

## EXAMPLES

`rdma statistic show`

Shows the state of the default counter of all RDMA devices on the system.

`rdma statistic show link mlx5_2/1`

Shows the state of the default counter of specified RDMA port

`rdma statistic qp show`

Shows the state of all qp counters of all RDMA devices on the system.

`rdma statistic qp show link mlx5_2/1`

Shows the state of all qp counters of specified RDMA port.

`rdma statistic qp show link mlx5_2 pid 30489`

Shows the state of all qp counters of specified RDMA port and belonging to pid 30489

`rdma statistic qp mode`

List current counter mode on all devices

`rdma statistic qp mode link mlx5_2/1`

List current counter mode of device mlx5\_2 port 1

`rdma statistic qp set link mlx5_2/1 auto type on`

On device mlx5\_2 port 1, for each new QP bind it with a counter automatically.

Per counter for QPs with same qp type in each process. Currently only "type" is supported.

rdma statistic qp set link mlx5\_2/1 auto off

Turn-off auto mode on device mlx5\_2 port 1. The allocated counters can be manually accessed.

rdma statistic qp bind link mlx5\_2/1 lqpn 178

On device mlx5\_2 port 1, allocate a counter and bind the specified qp on it

rdma statistic qp unbind link mlx5\_2/1 cntn 4 lqpn 178

On device mlx5\_2 port 1, bind the specified qp on the specified counter

rdma statistic qp unbind link mlx5\_2/1 cntn 4

On device mlx5\_2 port 1, unbind all QPs on the specified counter. After that this counter will be released automatically by the kernel.

rdma statistic show mr

List all currently allocated MR's and their counters.

rdma statistic show mr mrn 6

Dump a specific MR statistics with mrn 6. Dumps nothing if does not exists.

#### SEE ALSO

rdma(8), rdma-dev(8), rdma-link(8), rdma-resource(8),

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iproute2

27 June 2019

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