

show rohc

This chapter describes the output of the **show rohc** command variants.

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show rohc statistics

Table 1: show rohc statistics Command Output

Field	Description
Compressor Statistics:	
Active contexts:	Number of active ROBust Header Compression (ROHC) contexts currently available in the system
Total setup:	Total number of Contexts created till now since the time the stats were being collected.
Total deleted:	Total number of Contexts destroyed till now since the time the stats were being collected.
Messages(TX):	Messages that were send from the Compressor
IR:	Number of ROHC IR packets
IR-DYN:	Number of ROHC IR Dynamic packets
Type0:	Number of ROHC Type -0 packets
Type1:	Number of ROHC Type-1 packets
Type2:	Number of ROHC Type-2 packets
Normal:	Number of ROHC Uncompressed packets
Feedback(RX):	All Feedback messages received by compressors
ACK:	Number of ROHC Feedback Ack received

Field	Description
NACK:	Number of ROHC Feedback NACK received
Static-NACK:	Number of ROHC Feedback STATIC NACK received
Error:	Number of Feedback packets that had errors.
Misc:	
Mode change:	Number of ROHC Mode changes
Profile change:	Number of ROHC Profile changes
State change:	Number of ROHC state changes
Pkts(TX):	Packets Transmitted
Pkts Sent:	Number of Packets sent
Bytes Sent:	Number of bytes sent
Pkts Processed:	Number of input packets discarded
Pkts Discarded:	Number of input packets processed.
Segmentation:	Number of input packets that were segmented.
Segment Pkts:	Number of ROHC segment packets
Only Feedback:	Number of ROHC feedbacks that were NOT piggybacked to other ROHC packets
Piggyback FB:	Number of ROHC feedbacks that were piggybacked to other ROHC packets
Only FB packets:	Number of ROHC packets that carry ONLY multiple ROHC feedbacks.
Efficiency(TX):	Transmission Efficiency
Uncomp Hdr:	Number of uncompressed headers
Compressed Hdr:	Number of compressed headers
Percentage comp:	Percentage comparison
Histogram(TX):	Transmission Histogram
Size: < 2:	Number less than 2
Size: < 4:	Number less than 4
Size: < 8:	Number less than 8
Size: < 16:	Number less than 16

Field	Description
Size: > 16:	Number greater than 16
Decompressor Statistics:	
Active contexts:	Number of active ROHC contexts currently available in the system
Total setup:	Total number of Contexts created till now since the time the stats were being collected.
Total deleted:	Total number of Contexts destroyed till now since the time the stats were being collected.
Messages(RX):	Received ROHC messages
IR:	Number of ROHC IR packets
IR-DYN:	Number of ROHC IR Dynamic packets
Type0:	Number of ROHC Type -0 packets
Type1:	Number of ROHC Type-1 packets
Type2:	Number of ROHC Type-2 packets
Normal:	Number of ROHC Uncompressed packets
Feedback(TX):	
ACK:	Number of ROHC Feedback Ack received
NACK:	Number of ROHC Feedback NACK received
Static-NACK:	Number of ROHC Feedback STATIC NACK received
Error:	Number of Feedback packets that had errors.
Errors(RX):	Errors in received ROHC pkts
Checksum:	Number of packets discarded due to checksum errors
State mismatch:	Number of packets discarded due to state mismatch
Parse error:	Number of packets discarded due to parsing errors
Memory:	Number of packets discarded due to memory constraints
Other error:	Number of packets discarded due to unclassified errors
Reassembly errors:	Number of packets discarded due to reassembly errors
Misc:	
Mode change:	Number of ROHC Mode changes
Profile change:	Number of ROHC Profile changes

Field	Description
State change:	Number of ROHC state changes
Pkts(RX):	Received ROHC packets
Pkts Rcvd:	Number of Packets received
Bytes Rcvd:	Number of bytes received
Decomp Pkts:	Number of decompressed packets sent out
Pkts Discarded:	Number of received packets discarded
Segmentation:	Number of output packets that got segmented.
Segment Pkts:	Number of ROHC segment packets received
Only Feedback:	Number of ROHC feedbacks that were NOT piggybacked to other ROHC packets
Piggyback FB:	Number of ROHC feedbacks that were piggybacked to other ROHC packets
Only FB packets:	Number of ROHC packets that carry ONLY multiple ROHC feedbacks.
Pkts(TX):	Transmitted ROHC packets
Pkts Sent:	Number of ROHC packets sent out
Bytes Sent:	Number of bytes sent out
Piggyback FB:	Number of Feedback packets sent as piggy back
Direct FB:	Number of Feedback packets sent without piggy back
Efficiency(RX):	Transmission Efficiency
Uncomp Hdr:	Number of uncompressed headers
Compressed Hdr:	Number of compressed headers
Percentage comp:	Percentage comparison
Histogram(RX):	Transmission Histogram
Size: < 2:	Number less than 2
Size: < 4:	Number less than 4
Size: < 8:	Number less than 8
Size: < 16:	Number less than 16
Size: > 16:	Number greater than 16