

Understanding Port Shaping and Queue Shaping for CoS on EX-series Switches

If the amount of traffic on a switch's network interface is more than the maximum bandwidth allowed on the interface, it leads to congestion. Port shaping and queue shaping can be used to manage the excess traffic and avoid congestion. Port shaping defines the maximum bandwidth allocated to a port, while queue shaping defines a limit on excess-bandwidth usage per queue.

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Port Shaping

Port shaping enables you to shape the aggregate traffic through a port or channel to a rate that is less than the line or port rate.

Queue Shaping

Queue shaping throttles the rate at which queues transmit packets. For example, using queue shaping, you can rate-limit a strict-priority queue so that the strict-priority queue does not lock out (or starve) low-priority queues. Similarly, for any queue, you can configure queue shaping.

- Related Topics**
- Understanding CoS Schedulers
 - Defining CoS Schedulers (CLI Procedure)

