

## Shared Shaper Terms

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Table 1 defines terms used in this discussion of shared shaping.

**Table 1: Shared Shaper Terminology Used in This Chapter**

Term	Description
<b>Constituent</b>	Scheduler node or queue associated with a logical interface. A shared shaper is configured for a logical interface; all queues and scheduler nodes associated with that logical interface are constituents of the shared shaper.
Active constituent	Constituent that is monitored or controlled by the shared shaper mechanism.
Inactive constituent	Constituent that is ignored by the shared shaper mechanism. Inactive constituents can be indirectly controlled; for example, queues stacked above a node that is an active constituent.
Shared Shaping	Mechanism for shaping a logical interface's aggregate traffic to a rate when the traffic for that logical interface is queued through more than one scheduler hierarchy.
Implicit shared shaper	Shared shaper where the system automatically selects the active constituents. The system selects scheduler nodes as active; queues above nodes remain inactive.
Explicit shared shaper	Shared shaper where you select the active constituents by issuing the <b>shared-shaping-constituent</b> command in a scheduler profile.
Compound shared shaping	Hardware-assisted mechanism that controls bandwidth for all active constituents.
Simple shared shaping	Software-assisted mechanism that measures the rate of active constituents, and shapes the rate of the best-effort node or queue to the residual shared-shaping rate.

**Related Topics** ■ For definitions of other common QoS terms, see QoS Terms

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